Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual -2017
Subject: English Language Paper: I
Course Code: ENG-302 Course Title: English Language-I
Time Allowed: 03:30 Hours Maximum Marks: 100 Pass Marks: 33%

Important Note: *All parts of a question must be attempted together at one place, otherwise you may not get any credit. Over-attempts will not be marked. All questions carry equal marks.*

Section-I

Q. N. 1 Explain with reference to context any three of the following: (20

i. And my foe beheld it shine
And he knew that it was mine
ii. A voice so thrillinig nev'r was heard
In spring-from the cuckoo bir.
iii. Turning again toward childish treble, pipes
and whistles in his sound
iv. I'm a wolf-so watch out. Sit there, and if
you make a sound, I'll plug you
v. Excuse me, sir, I am not accustomed to listen
to such expressions or to such a tone of voice

Q.N.2 Attempt any three of the following questions. (Answer each question in 150 words) (20

i. When and why does Glovanni in his address to Beatric, call Dr. Rappaccini 'your awful father'?
ii. The Dushess is more loathsome than the jeweler. Comment. (The Duchess and the jeweler)
iii. Towards the end of the story, the mayor calls happy prince, 'little better than a beggar'. Why?
iv. Disscuss papva as an unreal and fake prude. (The Bear)
v. What is your estimation of the character of primrose? (smoke-screens)

Q.N.3 Attempt any three of the following questions. (Answer each question in 150 words) (20

i. Why does words worth call the solitary Reaper's song 'A melancholy Strain'?
ii. What does T.S. Eliot mean by 'standing upon the shore of all we know' in his 'Departure and Arrival'?
iii. Describe Emily Dickenson's Journey in the company of death.
iv. W.B. Yeats does not under estimate politics nor does he reject it. Elaborate.
v. How reliable and durable are 'Love and Fame' in the eyes of Keats? (When I have fears)

Section-II

Q.N. 4 Read the following passage and answer the questions given at the end. The answer must be in your own words. (25

Fortunately, however, the growth of industrialism has coincided in the west with the growth of democracy. It is possible now, if the population of the world does not increase too fast, for one man's labour to produce much more than is needed to provide a bare subsistence for himself and his family. Given an inteligent democracy not misled by some dogmatic creed, this possibility will be used to raise the standard of life. It has been so used, to a limited extent, in Britain and America and would have been so used more effectively but for war. Its use in raising the standard of life has depended mainly upon three things: democracy, trade unionism, and birth control. All three of course, have incurred hostility from the rich. If these three things can be extended to the rest of the world as it becomes industrialized, and if the dangers of great wars can be eliminated, poverty can be abolished throughout the whole world, and excessive hours of labour will no longer be necessary anywhere, but without these three things, industrialism will create a regime like that in which the Pharaohs built the pyramids. In particular, if world population continues to increase at the present rate, the abolition of poverty and excessive work will be totally impossible.

Questions: (2+2+2+2+2+15)

i) What connection does the writer show between industrialism and democracy?
ii) How can the standard of life be raised?
iii) How can poverty be abolished?
iv) What will be the impact of increase in population at the present rate?
v) Suggest a suit title for the passage.
vi) Make a précis of the passage.

Q.N. 5 Translation From Urdu to English. (15

اس وقت امریکہ اور مغربی ممالک نے اسلام کو تنقید کا نشانہ بنا رکھا ہے اور مسلمانوں کو سب سے بڑا دہشت گرد قرار دینے کی مہم شروع کر رکھی ہے۔ اس کا مقصد اسلام اور مسلمانوں کو بدنام کرنا ہے۔ انہیں فلسطین، کشمیر، عراق، افغانستان، بوسنیا اور چیچنیا میں مسلمانوں کے خلاف اسرائیل، بھارت، امریکہ اور روس کی ریاستی دہشت گردی نظر نہیں آتی۔ ضرورت اس امر کی ہے کہ مسلمانوں پر ہونے والے مظالم کے خلاف پورا عالم اسلام متحد ہو جائے۔ مزید براں یہ دور ٹیکنالوجی اور تعلیم کا ہے۔ مسلمانوں کو ان دونوں شعبوں میں ترقی کرنی چاہیے۔

OR

Write a dialogue between two friends discussing load shading.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017
Subject: English Language Paper: II Course Code: Eng-402
Course Title: English Language-II
Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Important Note: *Over attempted idioms/ correction of sentences will not be marked. Only the FIRST FIVE will be marked. Don't write your name, phone # or show your identity in any answer.*

Section-I

Q.No. 1 "A Selection from modern english essays".
Attempt any three of the following questions. (Answer each question in 150 words) (20

i. Aldous Huxley ihn 'Beauty industry' calls annual expenses of one hundred an fifty six pounds on makeup 'A tidy sum'. Why?
ii. " Whistling of birds' shows its writers love for nature. Elaborate.
iii. What experiences on the surface of moon, the writer describes through earthly comparisons? (Walking on the moon).
iv. What is the relation between committing mistakes and free will? (To err is human)
v. How do carious vitamins keep human body fit?

Q.No.2 "The Old Man and the Sea"
Attempt any three of the following questions. (Answer each question in 150 words) (20

i. Every thing abut him was old, except his eyes and they were cheerful and undefeated. Discuss with reference to the old man.
ii. Which is the greater challenge for the old man. Struggle with the big fish or fight against the sharks?
iii. The man Is brave but not reckless. Comment.
iv. Discuss DiMagio as a great source of inspiration for the old man.
v. Write a brief note on the old man's life on land

Q.No.3 Write an essay, with outline, of 300-350 words on any one of the following topics: (20+5)

i. Terrorism ii. Media and its impacts iii. Dignity of Labour iv. Drug Addiction
v. Laptop Scheme in Punjab

Q.No.4 Correct any Five of the following sentences. (10

i. He described about the scencry. Ii. What beautiful scencries! Iii. What an awful weather! Vi. I couldn't help not laughing at the joke. V. The flowers smell sweetly. Vi. I am thinking you are wrong. Vii. Both of them is dead. Viii. If he was here, he would support me. Ix I need good sleep. X. Will you please lend me copy of 'old man and sea'?

Q.No.5 Use any five of the following phrases in sentences (10

A brain wave, Bear away the palm, Cry for the moon, play someone false, on the eve of, Go about, Run over, Put off Hold by, Carry on

Q.No.6 (15

Write a letter to the editor of the newspaper, on reckless driving.

Or

Write an application to the principal of college about to request for one day study trip.

ختم نبوت ﷺ زندہ باد　　　　　　　　　　　　　　　　　عظمت صحابہ زندہ باد

السلام علیکم ورحمۃ اللہ وبرکاتہ:

معزز ممبران: آپ کا وٹس ایپ گروپ ایڈمن "**اردو بکس**" آپ سے مخاطب ہے۔

آپ تمام ممبران سے گزارش ہے کہ:

- ❖ گروپ میں صرف PDF کتب پوسٹ کی جاتی ہیں لہذا کتب کے متعلق اپنے کمنٹس / ریویوز ضرور دیں۔ گروپ میں بغیر ایڈمن کی اجازت کے کسی بھی قسم کی (اسلامی وغیر اسلامی، اخلاقی، تحریری) پوسٹ کرنا سختی سے منع ہے۔
- ❖ گروپ میں معزز، پڑھے لکھے، سلجھے ہوئے ممبرز موجود ہیں اخلاقیات کی پابندی کریں اور گروپ رولز کو فالو کریں بصورت دیگر معزز ممبرز کی بہتری کی خاطر ریموو کر دیا جائے گا۔
- ❖ کوئی بھی ممبر کسی بھی ممبر کو انباکس میں میسج، مس کال، کال نہیں کرے گا۔ رپورٹ پر فوری ریموو کر کے کاروائی عمل میں لائے جائے گی۔
- ❖ ہمارے کسی بھی گروپ میں سیاسی و فرقہ واریت کی بحث کی قطعاً کوئی گنجائش نہیں ہے۔
- ❖ اگر کسی کو بھی گروپ کے متعلق کسی قسم کی شکایت یا تجویز کی صورت میں ایڈمن سے رابطہ کیجئے۔
- ❖ سب سے اہم بات:

گروپ میں کسی بھی قادیانی، مرزائی، احمدی، گستاخِ رسول، گستاخِ امہات المؤمنین، گستاخِ صحابہ و خلفائے راشدین حضرت ابو بکر صدیق، حضرت عمر فاروق، حضرت عثمان غنی، حضرت علی المرتضیٰ، حضرت حسنین کریمین رضوان اللہ تعالیٰ اجمعین، گستاخ اہلبیت یا ایسے غیر مسلم جو اسلام اور پاکستان کے خلاف پراپیگنڈا میں مصروف ہیں یا ان کے روحانی و ذہنی سپورٹرز کے لئے کوئی گنجائش نہیں ہے لہذا ایسے اشخاص بالکل بھی گروپ جوائن کرنے کی زحمت نہ کریں۔ معلوم ہونے پر فوراً ریموو کر دیا جائے گا۔

- ❖ تمام کتب انٹرنیٹ سے تلاش / ڈاؤنلوڈ کر کے **فری آف کاسٹ** وٹس ایپ گروپ میں شیئر کی جاتی ہیں۔ جو کتاب نہیں ملتی اس کے لئے معذرت کر لی جاتی ہے۔ جس میں محنت بھی صَرف ہوتی ہے لیکن ہمیں آپ سے صرف دعاؤں کی درخواست ہے۔
- ❖ عمران سیریز کے شوقین کیلئے علیحدہ سے عمران سیریز گروپ موجود ہے۔
- ❖ **لیڈیز کے لئے الگ گروپ کی سہولت موجود ہے جس کے لئے ویریفکیشن ضروری ہے۔**
- ❖ اردو کتب / عمران سیریز یا سٹڈی گروپ میں ایڈ ہونے کے لئے ایڈمن سے وٹس ایپ پر بذریعہ میسج رابطہ کریں اور جواب کا انتظار فرمائیں۔ برائے مہربانی اخلاقیات کا خیال رکھتے ہوئے موبائل پر کال یا ایم ایس کرنے کی کوشش ہر گز نہ کریں۔ ورنہ گروپس سے تو ریموو کیا ہی جائے گا بلاک بھی کیا جائے گا۔

نوٹ: ہمارے کسی گروپ کی کوئی فیس نہیں ہے۔ سب فی سبیل اللہ ہے

0306-7163117	0343-7008883	0333-8033313
محمد سلمان سلیم	پاکستان زندہ باد	راؤ ایاز

پاکستان زندہ باد　　　　　　　　　　　　　　　　　پاکستان پائندہ باد

اللہ تبارک تعالیٰ ہم سب کا حامی و ناصر ہو

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Sc (Part-II) — Annual 2017

Subject: English — Paper: (Compulsory) — Course Code: ENG-403

Course Title: English for B.Sc

Time Allowed: 03:00 Hours — Maximum Marks: 100 — Pass Marks: 33%

Note: Attempt any two questions from section-I. Section-II is compulsory.

SECTION-I

Q.1: (a) How does Mark Twain reject the Darwin's theory of the Ascent of Man from the lower animals? 15

(b) Elaborate specific traits of character which make man the 'lowest animal' in Mark Twain's view? 10

Q.2: (a) How does the writer compare T.V. addiction with drug addiction? 15

(b) What methods may parents use to prevent or lessen T.V. addiction? 10

Q.3: (a) How does the theme of the tale relate to subject of language and culture? Discuss with reference to "The Last Lesson" By Alphonse Daudet. 15

(b) What were Monsieur Hamel's views about the use of time, parents' responsibly and French language? 10

Q. 4 (a) Recapitulate Lewis' series of reasons for believing that there is a "Law of Nature" that there is a "real right of wrong" 15

(b) Explain and elaborate difference between moral law and an instinct. 10

SECTION-II

Q.5: Read the following passage carefully and answer the questions given at the end in your own words:

Our country has a very outdated, outmoded and outlandish feudal system, which has brought about 75 percent of our population and three-fourths of our land to a standstill situation. Ever since the departure of the English from India, Pakistan has been under the constant dead weight of the feudal lords of great owners. Now is the time to release the rural population of the weight and provide it education, medical and working facilities. In this way, the poor village people will be able to rise to a new height of progress and prosperity.

Questions:

i.	What is holding back our progress and why?	2
ii.	What is the need of time?	2
iii.	How will the poor be benefited by the removal of the feudal system?	2
iv.	Make a précis of the passage and give it a suitable title.	9

Q.6: Write a report to Inspector General of Police about criminal carelessness of S.H.O. of you Police Station 10

Q.7: Write an essay on one of the following topics: 15

(i) Advantages and disadvantages of Cell Phones
(ii) Inflation
(iii) Pleasures of Childhood
(iv) Terrorism

Q.8: Translate the following passage into English: 10

انسانی فطرت بڑی عجیب ہے۔ہم اکثر ان چیزوں کی خواہش کرتے ہیں جو ہمارے پاس نہیں ہوتیں۔ان کے حصول کے لیے ہم صبح سے شام تک کوئی کسر اُٹھا نہیں رکھتے۔جب یہ چیز حاصل ہو جاتی ہے تو یہ اپنی قدر کھو دیتی ہے۔چیز وہی ہوتی ہے لیکن خدا بہتر جانتا ہے کہ اس کی قدر کیوں کم ہو جاتی ہے۔

-OR-

For Foreign students only)
Write a dialogue between Husband and Wife about the education of their kids.

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: English Literature Paper: (I) Course Code: ENG-301

Course Title: English Literature-I

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any five Questions. All questions carry equal marks.*

Q.1. Discuss with reference to "THE VOICE" how people tend to come together in a disaster.

Q.2. '" I think I may feel dull on that dreary old cruise after the sisterly brotherly family life I've had here" How does this statement convey salient features of the character of Maria?

Q.3. 'The social values are not important in "ON GUARD", only self respect holds significance in our lives. Discuss

Q.4. Compare the characters of Lisby and her sisters in "THE LITTLE WILLOW"

Q.5. "Manor Farm" changed to "ANIMAL FARM". How did the animals on the farm entertain this change?

Q., 6 Compare and contrast the characters of Boxer and Clover in ANIMAL FARM

Q. 7. Which character does last profound intimation on the minds of readers in "Riders to the Sea"

Q. 8 "AN OLD FRIEND" highlights the essence of friendship. Describe the qualities of the character in the play you think is a good friend.

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: English Literature Paper: (II) Course Code: ENG-401

Course Title: English Literature-II

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: - Attempt any FIVE questions including compulsory Q.No 1 Attempt at least four another questions. All questions carry equal marks.

Q.1: Explain with reference to the context any three of the following:

a): What in me is dark
Illumine, what is low raise and support;
That to the highth of this great Argument
I may assert Eternal Providence,
And justify the ways of God to men.

b): Stay, you imperfect speakers, tell me more:
By Sinel's death I know I am thane of Glamis;
But how of Cawdor? the thane of Cawdor lives,
A prosperous gentleman; and to be king
Stands not within the prospect of belief,
No more than to be Cawdor.

c): "Once I could meet with them on every side;
But they have dwindled long by slow decay;
Yet still I persevere, and find them where I may."

d): That's my last Duchess painted on the wall,
Looking as if she were alive. I call
That piece a wonder, now; Fra Pandolf's hands
Worked busily a day, and there she stands.

e): But if it had to perish twice,
I think I know enough of hate
To say that for destruction ice
Is also great
And would suffice.

Q2: To what extent can Lady Macbeth be blamed for her husband's downfall? Discuss the relationship between the couple as the play develops.

Q3: Discuss Macbeth as a tragic hero.

Q4: Which aspects of "The Glass Menagerie" are realistic? Which aspects are the most nonrealistic? What function do the nonrealistic elements serve?

Q5: Discuss Robert Browning as a Victorian poet.

Q6: Discuss Milton's grand style in his poetry.

Q7: Write a critical note on Keats' conception of poetry.

Q8: Discuss William Wordsworth as a Romantic poet.

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: English Literature **Paper: <u>(Optional)</u>** Course Code: ENG-421

Course Title: English Literature

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any five Questions. All questions carry equal marks.*

Q.1: Write a note on the use of symbolism in The Mayor of Casterbridge.

Q.2: Discuss the portrayal of the women characters in The Mayor of Casterbridge.

Q.3: Give your own idea of Hardy's philosophy of life as reflected in The Mayor of Casterbridge.

Q.4: Write a note on the character and personality of Michael Henchard.

Q.5: "It is clear that in this comedy (As You Like It).

Q.6 Shakespeare is concerned with society as well as love". Discuss this statement.

Write a note on the contrasted lovers in As You Like It by Shakespeare.

Q.7 Discuss the character of Rosalind in the light of your study of As You Like It.

Q.8 What is meant by the term pithy prose? Discuss this term with reference to your book "A Book of English Prose".

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA / B.Sc (Part-I) Annual 2017

Subject: Geography **Paper: (I)** Course Code: GEO-301

Course Title: Physical Geography

Time Allowed: 03:00 Hours Maximum Marks: 70 Pass Marks: 33%

Note: *Attempt any FIVE In English or Urdu medium. All questions carry equal marks. Illustrate your answer with the help of structure and diagram.*

Q.1 How rocks are formed? Write in detail about the sedimentary rocks.

ا۔ چٹانیں کس طرح سے بنتی ہیں۔ تہہ دار چٹانوں کے بارے تفصیل سے لکھیے۔

Q. 2 Write in detail about the internal structure of the earth.

۲۔ زمین کی اندرونی ساخت کو تفصیل سے بیان کیجیے۔

Q.3 How glaciers are formed? Write about erosional and depositional features produced by the valley glacier.

۳۔ گلیشئر کس طرح سے بنتے ہیں۔ وادی گلیشئر کے کٹاؤ اور تہہ نشینی کے عمل سے بننے والے خدوخال کے بارے میں تفصیل سے لکھیے۔

Q.4 How atmosphere is heated? Describe the structure of the atmosphere.

۴۔ کرہ ہوا کس طرح سے گرم ہوتا ہے۔ کرہ ہوا کی ساخت بیان کیجیے۔

Q.5 How rainfall is caused? Discuss various forms of rainfall.

۵۔ بارش کس طرح سے ہوتی ہے۔ بارش کی مختلف اقسام پر بحث کیجیے۔

Q.6 How oceanic currents are generated? Write in detail about the system of oceanic currents in the Pacific Ocean.

۶۔ بحری رویں کس طرح سے پیدا ہوتی ہیں۔ بحرالکاہل میں بحری رووٴں کے نظام کے بارے تفصیل سے لکھیے۔

Q.7 Write in detail about the permanent winds and what are impacts of these winds on the associated areas.

۷۔ مستقل ہواؤں کی وضاحت کیجیے۔ نیز ان ہواؤں کے ملحقہ علاقوں پر کیا اثرات مرتب ہوتے ہیں۔

Q.8 Write note on any TWO of the followings:

۱۰۔ مندرجہ ذیل میں کوئی سے دو پر نوٹ لکھیے۔

A)- Salinity in the Ocean

(الف) سمندری شوریت

B)- Spring and **Neap** Tides

(ب) مدوجزر اکبر و مدوجزر اصغر

C)- Land and Sea Breeze

(ج) نسیم بری و نسیم بحری

D)- Rotation and Revolution of the earth

(د) زمین کی روزانہ اور سالانہ گردش

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA / B.Sc (Part-II) Annual 2017

Subject: Geography **Paper: (II)** Course Code: GEO-401

Course Title: Humane and Regional Geography

Time Allowed: 03:00 Hours Maximum Marks: 70 Pass Marks: 33%

Note: *Attempt any FIVE In English or Urdu medium selecting at least three questions from section-I and two questions from section-II. All question carry equal marks.*

Section One سیکشن اول

Q:1 Write a note on Christaller's Central Place Model.
کرسٹلر کے مرکزی مقام کے ماڈل پر نوٹ لکھیں

Q:2 Write details of factors of migration.
آبادی کی نقل مکانی کے اسباب لکھیں

Q:3 Write a comprehensive essay on Environmental Determinism.
نظریہ ماحولیاتی جبر پر ایک مضمون لکھیں

Q:4 Write a detailed note on Human Economic Activities.
انسانی معاشی سرگرمیوں پر جامع نوٹ لکھیں

Q:5 write an essay on Pollution.
آلودگی پر ایک مضمون لکھیں

Section Two سیکشن دوم

Q:6 Write details of mountain system of South Asia.
جنوبی ایشیاء کے پہاڑوں کی تفصیلات لکھیں

Q:7 Prove that South Asia is basically an agricultural region.
ثابت کریں کہ جنوبی ایشیاء بنیادی طور پر ایک زرعی خطہ ہے۔

Q:8 Write a note on any two. (a)Lahore (b) New Delhi (c) Colombo (d) Dhaka
کسی دو پر نوٹ لکھیں (الف) لاہور (ب) نیو دہلی (ج) کولمبو (د) ڈھاکہ

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Geography **Paper: <u>(Optional)</u>** Course Code: GEO-421

Course Title: General Geography of Pakistan

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt any FIVE In English or Urdu medium. All questions carry equal marks. Sketch the Map of Pakistan where necessary.*

Q1. What is Difference between Plateau and Plain. Make a list of topographical features of Pakistan also elaborate plateaus.

سطح مرتفع اور میدان میں کیا فرق ہوتا ہے۔ پاکستان کے سطحی خدوخال کی لسٹ بنائیں اور سطوح مرتفع پر نوٹ لکھیں۔

Q2. What is meant by climate? classify Pakistan into climatic regions

آب وہوا سے کیا مراد ہے۔ پاکستان کو آب وہوا کے خطوں میں تقسیم کریں۔

Q3. What is natural vegetation? Write a note on forest types and distribution in Pakistan.

قدرتی نباتات سے کیا مراد ہے؟ پاکستان میں جنگلات کی اقسام اور تقسیم پر نوٹ لکھیں۔

Q4. Write note on mean of irrigation in Pakistan

پاکستان میں ذرائع آبپاشی پر نوٹ لکھیں۔

Q5. Distinguish Rabi (Winter) and Kharif (Summer) crops. Write a note on major Rabi and Kharif corps.

ربیع اور خریف کی فصلوں میں فرق واضح کریں اور ربیع اور خریف کی اہم فصلوں پر نوٹ لکھیں۔

Q6. Write an essay on minerals of Pakistan

پاکستان کی معدنیات پر ایک مضمون لکھیں

Q7. Write note any two of the following

مندرجہ ذیل میں سے دو پر نوٹ لکھیں

(a) Coal in Pakistan

(b) Agricultural problems in Pakistan

(c) Monsoon rainfall in Pakistan

ا) پاکستان میں کوئلے کے ذخائر

ب) پاکستان میں زرعی مسائل

ج) پاکستان میں مونسونی بارش

Q. No8; Write the names physical features of Pakistan and give a detailed of its mountains ranges.

سوال نمبر 8۔ پاکستان کے طبعی خدوخال کے نام اور اس کے پہاڑی سلسلوں کی تفصیل بیان کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Health & Physical Education **Paper: (I)**

Course Title: Physical Education Course Code: **HPE-301**

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note: - Attempt any five questions. All questions carry equal marks.

(15)

Q.1. Define Physical Education and explain its importance in modern age.

۱۔ تعلیم جسمانی کی تعریف کیجئے۔ جدید دور میں تعلیم جسمانی کی اہمیت بیان کیجئے۔

Q.2. Explain the Historical background of Physical Education and causes of downfall in Pakistan. (8+7)

۲۔ پاکستان میں تعلیم جسمانی کا پس منظر اور زوال کے اسباب تحریر کریں۔

15

Q.3. Define Movement and explain the factors effecting movement.

۳۔ حرکت کی تعریف کریں اور حرکت کو متاثر کرنے والے عوامل بیان کریں۔

Q.4. What is Physical fitness? Write down the components of physical fitness. (15)

۴۔ فزیکل فٹنس سے کیا مراد ہے۔ فزیکل فٹنس کے اجزا تحریر کریں۔

Q.5. What is home safety? Write down the safety measures? (5, 5, 5)

(i) Regarding things on fire (ii) Regarding Poison eating

۵۔ ہوم سیفٹی سے کیا مراد ہے درج ذیل کے حفاظتی اقدامات تحریر کریں۔

(ا) چیزوں کو آگ لگنے سے۔ (ب) زہر خورانی سے۔

Q.6. Explain the importance of Physical education in the light of Quran and Sunnah in Islam. (15)

۶۔ اسلام میں تعلیم جسمانی کی اہمیت قرآن و سنت کی روشنی میں بیان کریں۔

Q.7. (a) Draw the sketch of Lawn Tennis Court. (b) Service fouls of Tennis (8+7)

۷۔ (ا) ٹینس کورٹ کا خاکہ بنائیے۔ (ب) ٹینس میں سروس کے فاؤلز

Q.8. Explain the following in details

(1) Rules of 400 meters flat race. (2) Fouls of 4 × 100 meters relay race (8+7)

۸۔ درج ذیل کو تفصیلاً بیان کریں۔

(1) 400 میٹر دوڑ کے قوانین (2) 4x100 میٹر دوڑ کے فاؤلز

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) | Annual 2017

Subject: Health & Physical Education | **Paper: (II)**

Course Title: Health Education | Course Code: **HPE-401**

Time Allowed: 03:00 Hours | Maximum Marks: 75 | Pass Marks: 33%

Note: - Attempt any five questions. All questions carry equal marks.

1) علم الصحت اور تعلیم جسمانی کا آپس میں تعلق بیان کریں۔

1) Describe the relationship between health education and Physical education.

2) شخصی حفظان کا مفہوم نیز بالوں اور جلد کی صفائی پر روشنی ڈالیں۔

2) Write down the Personal Hygiene , Define the cleanness of Hair and Skin.

3) ہوا کے خوائص اور ہوائی صفائی کے قدرتی ذرائع بیان کریں۔

3) Explain the Air Charcteristics and Natural means of Purification of Air.

4) نظام دوران خون کی تعریف اور اس پر ورزش کے اثرات بیان کریں۔

4) Define the Blood Circulation, and explain the effects of Exercise.

5) نظام تنفس میں حصہ لینے والے اعضاء کے نام اور کام بیان کریں۔

5) Explain the Parts of Respiratory System and their function.

6) متوازن غذا پر روشنی ڈالیں۔

6) Write down about the balance diet.

7) نمکیات کیا ہیں - اس کی اقسام، فوائد اور کمی کے اثرات بیان کریں۔

7) What are Minrless and explain kinds, advantages, and effects of deficiency.

8) بری قامت کا مفہوم - خالی کمر کی وجوہات اور اصلاحی ورزشیں لکھیں۔

8) Define Bad Posture, and explain the causes and remidiel exercises of Lordosis.

9) مالش کی تعریف اور اسکے مقاصد اور اقسام پہ روشنی ڈالیں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017

Subject: Computer Studies **Paper: <u>(I)</u>** Course Code: CSS-301

<u>Objective Part:</u> Course Title: Introduction to I.T& Computer Programming

Time Allowed: 30 mints Marks: 20 Pass Marks: 33%

Note:- *Question no 1 compulsory. Choose the correct options. Only one option is correct. Cutting and overwriting will be considered wrong.*

Question#1 (Do all parts in this Question) **(20)**

1. Debug is the process of

(a) Creating Bugs (b) Identify and Removing Bugs (c) Identify Errors (d) Removing Errors

2. Which of the following is valid assignment statement?

(a) a=100; (b) c=a+b; (c) x=c-d+10; (d) All

3. Which of the following operators work with one operand

(a) Unary (b) Binary (c) Ternary (d) None

4. Which choice has the highest precedence order when computing an expression?

(a) () (b) - (c) * (d) /

5. What is the value of x when int x=0; and x=x+30; after execution

(a) 0 (b) 30 (c) 33 (d) None

6. Another name for keywords is

(a) Reserved words (b) Comments (c) Special words (d) None

7. -16%4 is

(a) 0 (b) 4 (c) 12 (d) -4

8. The = operator in C language indicates

(a) Assignment (b)Subtraction (c) Equality (d) None

9. Associatively is either right to left or

(a) Left to right (b) Top to Bottom (c) Back to front (d) None

10. The expression 3%5 has value equal to

(a) 3 (b) 5 (c) 0 (d) None

11. Conditional operator takes

(a) Three operands (b) Two operands (c) One operand (d) None

12. All of the followings are relational operators EXCEPT

(a) != (b) || (c) = (d) >=

13. The name for screen clarity

(a) Pixel (b) Resolution (c) Density (d) Picture quality

14. Step by step instructions that run the computer are called

(a) Hardware (b) Documents (c) CPU (d) Software

15. Which storage medium has the greatest storage capacity?

(a) CD ROM (b) Tape cartridge (c) Diskette (d) Zip disk

16.) Pixel is short for

(a) Page edit (b) Place edit (c) Picture enters (d) Picture elements

17. Which of the following is not a peripheral device?

a) Speaker b) Printer c) Motherboard d) Scanner

18. A bit can represent how many different values:

a) 0 b) 1 c) 2 d) 3

19. Most applications of robotics are in which area

a) Sciences b) Manufacturing c) Education d) Farming

20. CAL stands for

a) Computer Aided Leading b) Computer Aided Learning

c) Computer Assistant d) None

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017
Subject: Computer Studies **Paper: <u>(I)</u>** Course Code: CSS-301
<u>Subjective Part:</u> Course Title: Introduction to I.T& Computer Programming
Time Allowed: 02:30 Hours Marks: 50 Pass Marks: 33%

Note:- *This paper consists of two Sections I and II. Attempt at least two questions from each Section. All questions carry equal marks.*

Section-I (Introduction to Information Technology)

Note: Attempt Two Question from each Section

Question#2 **(12.5)**

Enlist and explain the five advantages of using Internet.

Question#3 **(12.5)**

What do you know about RAM? Briefly explain its types.

Question#4 **(12.5)**

Bus is a term used in computer for communication of signals between different devices. Discuss types of buses and its processing relationships.

Section-II (Computer Programming)

Question#5 **(12.5)**

What do you know about Local and global variables. Discuss briefly the scope and lifetime of the global variables during program execution in visual basic.

Question#6 **(12.5)**

What do you know about an array? Write a program to find the largest number from an array using visual basic.

Question#7 **(12.5)**

What is the usage of loops in programming languages? Display first ten even numbers using a loop using visual basic.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-II) Annual 2017

Subject: Computer Studies **Paper: (II)** Course Code: CSS-401

Objective Part: Course Title: DBMS - Operating system & Network

Time Allowed: 30 mints Marks: 20 Pass Marks: 33%

Note:- *Question no 1 compulsory. Choose the correct options. Only one option is correct. Cutting and overwriting will be considered wrong.*

1. Which of the following are operates on Physical Layer?
a) Gateway b) Repeater c) Bridge d) Active hub

2. In Code Division Multiple Access
a) One channel carries all transmission independently
b) One channel carries all transmission randomly
c) One channel carries all transmission simultaneously d) None of Above

3. In _________ system the user cannot interact with the job when it is being executed
a) Batch System b) Virtual System
c) Multiprogramming d) All of above

4. Which of the following is not a peripheral device?
a) Speaker b) Printer
c) Motherboard d) Scanner

5. A bridge does not change the ______________ in a frame
a) IP address b) MAC address
c) Source address d) Destination address

6. In FHSS the bandwidth occupied by a source after spreading is
a) B(FHSS) <<B b) B(FHSS) >>B c) B(FHSS) = B
d) None of above e) a and b f) c only

7. The end of a time slice is indicted by the occurrence of a signal called
(a) An interrupt (b) A semaphore (c) A login

8. A program in execution is called
a) Process b) Thread
c) Event d) All of above

9. A group of jobs that are ready to be executed is called is called
a) Scheduler b) Memory
c) Job Pool d) None of above

10. In Barker sequence N is equal to
a) 9 b) 10 c) 11

11. A bridge does not change the ______________ in a frame
a) IP address b) MAC address
c) Source address d) Destination address

12. A repeater connects _______________ of a LAN.
a) Nodes b) Segments c) Drives d) None

13. Computer at home can be used for:
a) Keeping Records b) Making Budgets c) Watching Movies d) All

14. *ADSL stands for*
a) Asynchronous Digital line b) Asymmetric Dedicated Scriber Line
c) Additional Dedicated Scriber Line d) None of above

15. *Computer at home can be used for:*
a) Keeping Records b) Making Budgets
c) Watching Movies d) All

16. *M different stations can use same B(SS), then which modulation technique is used*
a) FSK b)FSK(MFSK)
c) a and b e) FSK(BPSK)

17. A program that running all the time is known as
a) Deadlock *b) System Call*
c) Process d) Kernel

18. If a station needs to send 0 bit , CDMA encode this data as
a) +1 b) -1
c) 0 s d) None of Above

19. Which of the following events is detrimental to an operating system's performance?
(a) Deadlock (b)Interrupt (c) Booting

20. Pseudorandom code generator is also known as
a) Random noise b) Pseudorandom noise
c) Hopping Period d) None of above

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-II) Annual 2017

Subject: Computer Studies **Paper: (II)** Course Code: CSS-401

Subjective Part: Course Title: DBMS - Operating system & Network

Time Allowed: 02:30 Hours Marks: 50 Pass Marks: 33%

Note:- *This paper consists of two Sections I and II. Attempt at least two questions from each sections. All questions carry equal marks.*

Section-I (Database management System)

Note: Attempt Two Question from each Section

Question#2 **(12.5)**

The following table represents the set of attributes found in a university database. Note that students attend one course and can take any unit during the course. A unit may be presented as part of any course and is always given by one particular lecturer. You are required to normalize this database upto third level.

StdID	StdName	Course ID	Course Length	Unit Code	Unit Name	Teacher Name
201	Ali	C203	1	U49	Database II	Ashraf
				U85	Programming	Irfan
203	Saleem	A104	4	U88	Algorithms	Naveed
				U49	Database II	Ashraf
				U23	Business I	Rauf
207	Naqash	B203	3	U10	Business II	Abid
				U48	Database I	Zahid
209	Mazher	B323	2	U10	Business II	Abid
				U88	Algorithms	Naveed

Question#3 **(12.5)**

What is the information system life cycle? Also discuss database application system life cycle in detail.

Question#4 **(12.5)**

What are the implications of the database approach?

Section-II (Operating Systems and Networks)

Question#5 **(6+6.5=12.5)**

a) File system is collection of files and variety of other objects that share many of the properties of a file. Discuss directory structure in detail.

b) Deadlock occurs when each process or a set of processes controls a resource that another process in the set has requested. What are conditions that a process must be hold for the occurrence of deadlock. Also provide suggestion for deadlock prevention. (Ch#3,P#59)

Question#6 **(6+6.5=12.5)**

a) What do you know about TCP/IP? Briefly explain its architecture and discuss protocols operates on each level.

b) Explain the impairments faced by signals when transferred through guided medium.

Question#7 **(12.5)**

Write down short note on the followings

1. Process Control Block
2. Virtual Circuit

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA / BSc (Part-I) Annual 2017

Subject: Economics **Paper: (I)** Course Code: ECO-301

Course Title: Basic Mathematics and Microeconomics

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt* any five questions in all selecting two questions from section-I and three Questions from section-II. All questions carry equal marks.

Section-I

Q.1 Find the elasticity of demand of the following demand function at Q=20 and P=5:

درج ذیل طلب کے تفاعل سے طلب کی لچک معلوم کریں جبکہ Q=20 اور P=5

a) $Q = 60 - 2P$ b) $Q = 53 - 0.5P$ c) $Q = 12 + P - P^2$ d) $70 - 0.3P = Q$

Q.2 Find the price at which market supply will be equal to market demand.

وہ قیمت معلوم کریں جس پر منڈی میں طلب اور رسد برابر ہوں۔

$S = 70 + P^2$ and $D = 50 - 9p + 4P^2$

Q.3 A monopoly has following demand and Cost functions. Find the profit Maximizing price and output.

وہ قیمت اور مقدار پیداوار معلوم کریں جس پر اجارہ دار کا منافع زیادہ سے زیادہ ہو۔

$Q = 60 - 0.5P$ and $TC = 50 + 20Q$

Section-II

Q.4 What is indifference curve approach? Discuss the properties of indifference curve.

خط عدم ترجیح کیا ہے؟ اس کی نمایاں خصوصیات بیان کریں۔

Q. 5: What is Monopolistic competition? Discuss the equilibrium of a firm under monopolistic competition in the short run.

"اجارہ دارانہ مقابلہ" سے کیا مراد ہے؟ (Monopolistic)
اجارہ دارانہ مقابلہ کے تحت قلیل مدت میں فرم کے توازن کی وضاحت لکھیں۔

Q.6: What is elasticity of demand? Discuss the methods of measuring it?

طلب کی لچک سے کیا مراد ہے؟ اسے ناپنے کے طریقے لکھیں۔

Q. 7: State and explain the "Law of Diminishing Utility" and its limitations.

قانون تقلیل افادہ مختتم کو وضاحت سے بیان کریں اور حدود بھی لکھیں۔

Q. 8 : What is marginal rate of technical substitution? How firm get optimal factor combination. And also explain expansion path.

مختتم شرح فنی استبدال کیا ہے؟ ایک فرم کم سے کم لاگت والے نقطہ تک جاتی ہے۔ نیز توسیع راستہ کی بھی وضاحت کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA / BSc (Part-II) Annual 2017

Subject: Economics **Paper: (II)** Course Code: ECO-401

Course Title: Macro Economics and Economic Development of Pakistan

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

***Note: -** Attempt* any five questions in all selecting three questions from section-I and two Questions from section-II. All questions carry equal marks.

SECTION-I

Q1.a) Differentiate between Micro Economics and Macro Economics, give examples.
سوال ۱۔ (ا) جزوی معاشیات اور کلی معاشیات میں مثالوں کی مدد سے فرق واضح کریں۔

b) Explain the weaknesses in the Classical Theory of Employment.
ب) کلاسیکل نظریہ روزگار میں پائی جانے والی کمزوریوں کی وضاحت کریں۔

Q2. What is the meant by Trade Cycle? What are its characteristics? How can it be controlled?
سوال ۲۔ تجارتی چکر سے کیا مراد ہے۔ اس کی خصوصیات کیا ہیں۔ اسے کس طرح کنٹرول کیا جاتا ہے۔

Q3. Define the concept of Gross National Product (GNP) and Net National Product (NNP). Explain the circular flow of national income.
سوال ۳۔ GDP اور NNP کی تعریف کریں۔ آمدنی کے گردشی بہاؤ کی وضاحت کریں۔

Q4. Explain the Keynesian theory of employment. In what respect does it differ from the classical theory of employment.
سوال ۴۔ کینز کے نظریہ روزگار کی وضاحت کریں یہ نظریہ کس لحاظ سے کلاسیکل نظریہ روزگار سے مختلف ہے؟

Q5. Define the concept of L-M Curve. How it is derived? Explain with the help of diagrams.
سوال ۵۔ ایل ایم خط کی وضاحت کریں۔ یہ کیسے اخذ کیا جاتا ہے ڈائیگرام سے وضاحت کریں۔

Section - II

Q6. Write notes on the followings:
Q6۔ نوٹ لکھیں۔ ا) پاکستان کیلئے غیر ملکی امداد ایک لعنت ہے۔ ب) پاکستان میں معاشی منصوبہ بندی کا جواز

a) Foreign aid is a curse of Pakistan
b) Justification of economic planning in Pakistan

Q7. Highlight the internal and external financial resources of Pakistan.
Q7۔ پاکستان کے داخلی اور بیرونی مالی وسائل پر روشنی ڈالیے۔

Q8. What are various bottlenecks to industrial development in Pakistan? Explain.
Q8۔ پاکستان کی صنعتی ترقی کی راہ میں حائل رکاوٹوں کی وضاحت کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Economics **Paper: <u>(Optional)</u>** Course Code: ECO-421

Course Title: Economics

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: - *Attempt* any five questions. All questions carry equal marks. Attempt at least two Questions from each Section.

SECTION-A

Q1. Explain the law of diminishing marginal utility. Discuss its assumptions and limitations.

قانون تقلیل افادہ مختتم کی وضاحت کریں نیز اس کے مفروضے اور حدود بیان کریں

Q2. How the price of product is determined by the forces of demand and supply forces? Explain with the help of diagram.

کسی شے کی قیمت طلب و رسد کی قوتیں کس طرح اخذ کرتی ہیں ڈایاگرام کی مدد سے وضاحت کریں

Q3. Define propensity to consume. Why MPC < 1 and MPC > 0? What are its implications in an economy?

میلان صرف کی تعریف کریں۔ MPC < 1 اور MPC > 0 کیوں ہوتا ہے۔ اس کی معیشت میں کیا implication ہیں۔

Q4. What is say's law? On what grounds it was refuted by keyns?

سے کے قانون کو بیان کی وضاحت کریں۔ کینز نے کس طرح اس قانون کی تردید کی؟

SECTION-B

Q5. Explain various approaches to measure economic development

معاشی ترقی کو ماپنے کی مختلف approaches (طریقوں) کی وضاحت کریں

Q6. Point out the salient features of Pakistan's economy.

پاکستان کی معیشت کے نمایاں خدوخال بیان کریں

Q8. Describe the role of agricultural sector of Pakistan. How this sector can be made a dynamic sector?

پاکستان کے زرعی شعبے کا کردار بیان کریں نیز اس شعبے کو کس طرح متحرک بنایا جا سکتا ہے؟

Q8. What are the causes of capital deficiency in Pakistan? How can this problem be solved?

پاکستان میں سرمایہ کی قلت کی وجوہات بیان کریں نیز اس مسئلے کو کس طرح حل کیا جا سکتا ہے؟

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) | Annual 2017

Subject: Education | **Paper: (I)** | Course Code: EDU-301

Course Title: Education-I

Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 33%

Note: *Attempt any FIVE questions. All questions carry equal marks.*

1. Give five (05) definitions of Education. Briefly explain its significance. (10 + 10)
   تعلیم کی پانچ تعریفیں لکھیں۔ اس کی افادیت مختصراً بیان کریں۔

2. Define Philosophy of Education. Explain Philosophy of Education by giving references from Holy Quran. (5+15)
   فلسفۂ تعلیم کی تعریف لکھیں۔ قرآن مجید میں سے حوالہ جات دے کر اس کی وضاحت کریں۔

3. What are national objectives of education? Describe social and cultural objectives given in education system of Pakistan. (6 + 7 + 7)
   قومی تعلیمی مقاصد کیا ہیں؟ پاکستان کے نظامِ تعلیم میں معاشرتی اور ثقافتی مقاصد بیان کریں۔

4. Describe Objectives of education, curriculum, teaching method, and concept of knowledge in the light of educational thoughts of Allama Iqbal. (5 + 5 + 5 + 5)
   علامہ اقبال کے فلسفۂ تعلیم کی روشنی میں مقاصدِ تعلیم، نصاب، طریقۂ تدریس اور تصورِ علم بیان کریں۔

5. Explain educational system of Muslims in the sub-continent. (20)
   برِصغیر میں مسلمانوں کے نظامِ تعلیم کی وضاحت کریں۔

6. Write notes on advantages and weaknesses of British educational system. (10+10)
   برطانوی نظامِ تعلیم کے فائدے اور خامیاں بیان کریں۔

7. Write notes on objectives of education and educational administration by evaluating the role of Aligargh Movement. (10+10)
   تحریکِ علی گڑھ کا جائزہ لے کر مقاصدِ تعلیم اور تعلیمی انتظامیہ پر نوٹ لکھیں۔

8. Write notes on following: (10 + 10)
   i. Psychological foundations of curriculum
   نصاب کی نفسیاتی بنیادیں
   ii. Effects of Progressivism in education
   فلسفۂ ترقی پسندیت کے تعلیم پر اثرات

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Education **Paper: (II)** Course Code: EDU-401

Course Title: Education-II

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: - *Attempt any FIVE questions. All questions carry equal marks.*

Q 1: Describe the importance of educational psychology in four aspects of educational process. (20)

تعلیمی عمل کے کُل سے چار پہلوؤں میں تعلیمی نفسیات کی اہمیت بیان کریں۔

Q 2: What is the meaning of physical development? Write its educational importance. (6+12)

جسمانی نشوونما سے کیا مراد ہے؟ اس کی تعلیمی اہمیت لکھئے۔

Q 3: Explain the characteristics of different stages of social development. 20

معاشرتی نشوونما کے مختلف مدارج کی خصوصیات بیان کریں۔

Q 4: What is learning? Explain five different factors that influence the process of learning. (5+15)

تعلّم سے کیا مراد ہے؟ تعلّم پر اثرانداز ہونے والے کُل سے پانچ عوامل بیان کریں۔

Q 5: Explain the methods for the evaluation of a personality for a person. 20

کسی شخص کی شخصیت کا جائزہ لینے کے لئے طریقوں کی وضاحت کریں۔

Q 6: What is the meaning of Intelligence Quotient and write down the method to calculate it. (20)

مقیاس ذہانت سے کیا مراد ہے؟ اس کے نکالنے کا طریقہ بیان کریں۔

Q 7: Write notes on democratic disciplines and its benefits. 20

جمہوری نظم و نسق اور اس کے فوائد پر نوٹ لکھیں۔

Q 8: Discuss the motives of discipline. 20

ضبط کے محرکات پر بحث کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Arabic **Paper: (I)** Course Code: ARB-301

Course Title: Al-Laugat-Ul-Arabia

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt any five questions. All questions carry equal marks.*

ملحوظة: اجب عن خمسة اسئلة فقط وجميع الاسئلة متساوية العلامات۔

السوال الاول: اقرا العبارة واجب عن الاسئلة (20)

كان عمر بن عبد العزيز ؒ صورة طيبة لحاكم العادل و الخليفة الصالح و عاش فى زمنه فى خير و سلام و تولى الحكم سنة و لكنه بقى فى الحكم مدة عامين و اشهر فقط و كان عمر بن عبد العزيز ذا علم و ادب و تواضع و كان لا يعش حياة الملوك بل عاش كواحد من الشعب و مما يدل على ادبه مع الناس هذه الحادثة فقال عمر ليس من الادب ان يجْلس صاحب البيت و يقُوم الضيف ثم قام الخليفة و اُصلح المصباح بنفسه فعاد النور الى مكانه و قال قمت و انا عمر و رجعت و انا عمر

الاسئلة: (١)۔ كيف عاش الناس فى زمن الخليفة؟ (٢)۔ هل بقى الخليفة فى الحكم طويلا؟ (٣)۔ متى تولى عمر بن عبد العزيز؟
(٤)۔ هل يعش الخليفة حياة الملوك؟ (٥)۔ ماذا قال الخليفة بنسبة الضيف؟ (٦)۔ على اى شيئ تدل تلك الحادثة؟
(٧)۔ من اين أخذت هذه العبارة؟ (٨)۔ هل كان الخليفة ذا علم وادب؟ (٩)۔ من الذى أصلح المصباح؟ (١٠)۔ ماذا قال الخليفة بعد أن ارجع؟

السوال الثانى: اكتب الجمل التالية فى كراستك و املاء الفراغات بكلمة مناسبة۔ (20)

اصحاب۔ يعبد۔ تجارة۔ خالدين۔ كاد۔ الصلاة. فلاح۔ ذو علم۔ بنفسه۔ الماء

① كان محمد ﷺ ـــــــ الله فى غار حراء۔ ② فى جهنم ـــــــ فيها۔ ③ عمل لى ـــــــ السيدة خديجة الكبرى۔ ④ كان ابو ذر ـــــــ النبى ﷺ۔ ⑤ ضربوه بقوة حتى ـــــــ يموت۔ ⑥ ترى ـــــــ الكثير فى السفر بالبحر۔ ⑦ ترى الارض الزراعية فيها ـــــــ يعمل ⑧ لى صديق ـــــــ و أدب۔ ⑨ فتح والدى لى ـــــــ الباب۔ ⑩ أنا احب ـــــــ فى المسجد۔

السؤال الثالث: استخدم الكلمات التالية فى جمل مفيدة و لا تكتب أية جملة من ورقة السؤالية: (20)

دين، قام، دعوة، المساواة، الارض، أقبل، يعرف، المعلم، قدم، أحب،

السؤال الرابع: ضع علامة الصواب ( ) علامة الخطاء ( )۔ (20)

(١) من الادب أن نتكلم بصوت عال۔ (٢) نسى المسلمون فى العصر الحاضر الاد آب الاسلامية۔ (٣)۔ لم يقف الكافرين من محمد ﷺ موقفا ظالما۔ (٤)۔ أضلّ الله الكافرين۔ (٥)۔ اذهب الى العمل كل صباح۔ (٦) ان من الادب أن يجلس صاحب البيت و يقوم الضيف۔
(٧)۔ عاش الخليفة عمر بن عبد العزيز فى العصر الحديث۔ (٨)۔ عاش ابن الجوزى نحو تسعين عاما۔ (٩) كان أبو ذر يسكن فى مكة۔
(١٠)۔ قدم أبو ذر حياته كلها من أجل الدين۔

السؤال الخامس: املاء الفراغات بكلمة مناسبة۔ (20)

(١)۔ كانت اسماء بنت ابى بكر ـــــــ الطعام و الماء (تجهزلهما، تعطيهما، تقدم لهما)
(٢)۔ سأعمل ـــــــ الدفاع عن دعوة الاسلامية۔ (من جانب، من أجل، فى سبيل الله)
(٣)۔ يريد الانسان الحرية لانها الشيئ ـــــــ فى حياته۔ (الكبير، العادى، الطبعى)
(٤)۔ يا سيبويه يا حنيفة أى المعاجم ـــــــ (يستعملان، يستعملون، تستعملان)
(٥)۔ ـــــــ مريم أمس قاموسا عربيا صغيرا (اشترى، اشترت، تشترى)

P-T-O

(٦)-يا احمد أ ـــــــ الواجب اليوم أم غدا (كتبت، سكتبت، سيكتبت)

(٧)-بحثت ـــــــ الكتاب فلم أجده- (عن، مع، على)

(٨)-هل ستسافر ـــــــ الأسرة (أمام، عند، مع)

(٩)-ينام الطفل ـــــــ أمه وأبيه- (بين، فوق، عند)

(١٠)-كان عدد الجنود ـــــــ أقل- (مسلمين، المسلمين، مومنين)

السؤال السادس: اشرح العبارة التالية باللغة العربية- (20)

(انما الاعمال بالنيات وانما لكل امرى مانوى) (ما من مسلم يغرس غرسا أو يزرع زرعا فياكل منه طير أو انسان أو بهيمة الا كان له به صدقة)

السؤال السابع: هات من المجموعة (ا) المرادف لكلمات المجموعة (ب) (20)

(ب)	(ا)	(ب)	(ا)
عمل	اعوام	كلمات	تقدر
سنوات	جهة	عهد	يرد
ناحية	فعل	يعود	يقدم له
استمر	سلم عليه	يجيبه	زمن
تستطيع	مفردات	يعطيه	يرجع

السؤال الثامن: صل بين المجموعة (ا) و (ب) لتكون جملة مفيدة- (20)

(ا)	(ب)
⊙- كان ابو العلاء المعرى	⊙- فى الادب واللغة والشعر
⊙- قال ابو العلاء المعرى الشعر	⊙- وهو صغير
⊙- ابو العلاء المعرى له كتب	⊙- اراء خاصة فى الحياة
⊙- من اشهر كتب الشاعر	⊙شاعرا عظيما
⊙ابو العلاء كانت له	⊙- ثمانية وعشرون حرفا
⊙- للغة العربية	⊙- فى مستقبلة
⊙- كل شهر أنفق	⊙- رسالة الغفران
⊙- صديقى يفكر كل يوم	⊙- أكثر من ألف روبية
⊙- أبى يعمل	⊙- محاسبا فى شركة
⊙الكلمة الطيبة	⊙- صدقة

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Arabic **Paper: (II)** Course Code: ARB-401

Course Title: Al-Adab-ul-Arbi

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt any Five questions. All questions carry equal marks.

Q.1 اشرح الآيات الآتية بالعربية (او) ترجمها واشرحها بالاردية او الانجليزية (او) اجب عن الاسئلة فى نهايتها فقط: 20

Explain the following Quranic verses into Arabic (or) Translate and explain them into Urdu/English (or) Answer the questions below into Arabic:

يٰٓاَيُّهَا الَّذِيْنَ اٰمَنُوْا لَا تُقَدِّمُوْا بَيْنَ يَدَيِ اللّٰهِ وَ رَسُوْلِهٖ وَاتَّقُوا اللّٰهَ اِنَّ اللّٰهَ سَمِيْعٌ عَلِيْمٌ۝ يٰٓاَيُّهَا الَّذِيْنَ اٰمَنُوْا لَا تَرْفَعُوْٓا اَصْوَاتَكُمْ فَوْقَ صَوْتِ النَّبِيِّ وَلَا تَجْهَرُوْا لَهٗ بِالْقَوْلِ كَجَهْرِ بَعْضِكُمْ لِبَعْضٍ اَنْ تَحْبَطَ اَعْمَالُكُمْ وَاَنْتُمْ لَا تَشْعُرُوْنَ۝ اِنَّ الَّذِيْنَ يَغُضُّوْنَ اَصْوَاتَهُمْ عِنْدَ رَسُوْلِ اللّٰهِ اُولٰٓئِكَ الَّذِيْنَ امْتَحَنَ اللّٰهُ قُلُوْبَهُمْ لِلتَّقْوٰى لَهُمْ مَّغْفِرَةٌ وَّاَجْرٌ عَظِيْمٌ۝

الأسئلة: (١) بماذا امر اللّٰهُ المؤمنين فى الآية الاولىٰ؟ (٢) هل من الادب ان ترفع احدٌ صوته فوق صوت النبى ﷺ؟ (٣) بماذا نبّهَ اللّٰه الذين يجهرون للنبى ﷺ بالقول كجهر بعضهم لبعض؟ (٤) لأيّ شيء امتحن اللّٰهُ قلوبَ الّذين يَغضّون اصواتهم عند رسول اللّٰه ﷺ؟ (٥) بماذا وعد اللّٰه الذين يَغُضّونَ اصواتهم عند رسول اللّٰه ﷺ؟

Q.2 اجب عن الاسئلة التالية بالعربية لإشارة إلى "الكتاب" للجاحظ: 20

Answer the following questions into Arabic regarding "Al-kitab" by Al-Jahiz:

(١) بِمَ وصف الجاحظُ الكتاب؟ (٢) مَنِ الجاحظ وماذا تَعْرِفُ عنه؟

(٣) ماالصِفَات المشتركة بَيْنَ الكتاب و البُسْتَان؟ (٤) مَاذَا رَأْيُكَ فى هٰذِهِ الصِفَات؟

(٥) كيف يَكُونُ الكتاب نَاطِقًا عن المَوْتىٰ ومُتَرجِماً عن الاَحْيَاء؟

Q.3 اكتب بالعربية مُلَخَّص المَسْرحِيّة 'عَرَفَ كَيْفَ يَمُوْتُ' لِتوفيق الحكيم۔ 20

Write into Arabic the summary of the Drama 'عرف كيف يموت' by Taufiq Al-hakim

Q.4 اشرح الابيات التالية بالعربية (او) ترجمها و اشرحها بالاردية/ الانجليزية: 20

Explain Into Arabic the following lines of stanza (or) translate and explain them into Urdu/English:

أرى العَيْشَ كَنزًا ناقصًا كُلَّ ليلة	وما تَنْقُصِ الأيام والدهر يَنْفَدِ
لَعَمْرُكَ إنّ الموت ما أخْطَأَ الفتى	لَكَالطِّوَلِ المُرْخٰى وثِنْيَاه باليَدِ
وظلم ذوى القربى أشدّ مضاضةً	على المرء من وقع الحُسام المُهَنَّدِ
سَتُبْدِي لكَ الايام ما كُنْتَ جاهلاً	ويَأْتِيْكَ بالأخبارِ مَنْ لم تُزَوِّدِ

Q.5 اشرح العبارة التالية بالعربية (او) ترجمها او اشرحها بالاردية/ الانجليزية (او) اجب عن الاسئلة بالعربية فى نهايتها فقط: 20

Explain inti Arabic the following paragraph (or) translate and explain it into Urdu/English (or) answer into Arabic the questions given below:

إنَّ قَوْماً رَكِبُوا سَفِينَةً فِى البَحْرِ، فَاقْتَسَمُوا فَصَارَ لِكُلِّ رَجُلٍ مَوْضِعٌ، فَنَقَرَ رجلٌ مَوْضِعَه بفَأْسٍ، فَقَالُوْا مَاتَصْنَع؟ قَالَ: هُوَ مَكَانِى أَصْنَعُ بِهِ مَاشِئْتُ. فَإنْ أخَذُوا عَلىٰ يَدَيْهِ نَجَا وَ نَجَوا، وَإنْ تَرَكُوْهُ هَلَكَ وَ هَلَكُوْا۔

الاسئلة: (١) مَنْ رَكِبَ السَفِينة فى البحر؟ (٢) ماذا صَارَ لِكُلِّ رجلٍ راكبٍ فى السَفِينة؟ (٣) ماذا فَعَلَ رجلٌ منهم؟ (٤) هل تَتَّفِقُ بِمَا قَالَ الرجل عن مَكَانِه؟ (٥) ماذا قال النبيُّ ﷺ عن أصْحَابِ السَفِينة؟

Q.6 اشرح الابيات التالية بالعربية (او) ترجمها و اشرحها بالاردية/ الانجليزية۔ 20

Explain into Arabic the following lines of stanza (or) translate and explain them into Urdu/English.

نَصِيبُكَ فى حَيَاتِكَ مِن حبيب	نصيبك فى مَنَامِكَ مِن خيالِ
رَمَانِى الدهرُ بالأرزاءِ حَتّى	فؤادى فى غشاءٍ من نِبالِ
فَصِرْتُ اذا أصَابَتْنِى سِهَام	تَكَسَّرَتِ النِصَالُ على النِصالِ
وهَانَ فما أُبَالِى بالرَزَايَا	لِأنّى مَا انْتَفَعْتُ بِأنْ أُبَالِى

Q.7 ترجم الجمل التالية الى العربية: 20

Traqnslate into Arabic the following sentences:

(١) اور اللہ سے ڈرو، بے شک اللہ توبہ قبول کرنے والا رحم کرنے والا ہے۔

(٢) اللہ مخلوق میں سے سخی کو محبوب رکھتا ہے۔

(٣) حضرت ابوبکر صدیق رسول اللہ ﷺ کے پہلو میں دفن ہوئے۔

(٤) خطیب بھی، شاعر کی طرح، قوم کی زبان ہے۔

(٥) علم ایک درخت ہے اور عمل، اس کا پھل ہے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Arabic | **Paper: (Optional)** | Course Code: ARB-421

Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 33%

Note: *Attempt any five questions. All questions carry equal marks.*

Q.1 Translate the following text into Urdu/English and or answer the questions below

السوال الاول:ترجم العبارة التالية الى اللغة الاردية اوالانجليزية/أواجب عن الاسئلة فى نهايتها.(٢٠)

قال الرسول ﷺ اللهم اصلح لى دينى الذى هو عصمة أمرى واصلح لى دنيايئ التى معاشى واصلح لى آخرتى التى إليها معادى واجعل الحياة زيادة لى فى كل خير واجعل الموت راحة لى من كل شر۔

الأسئلة:1ماذا قال الرسول ﷺ بنسبة دين-2 ماذا قال الرسول ﷺ بنسبة الموت -3 اخرج ثلاث فوائد من الحديث 4-وضع معانى المفردات ماياتى (راحة۔عصمة۔معادى۔اجعل۔ اصلح۔شر)

Q.2 Fill in the blanks with an appropriate word.(٢٠) السوال الثانى: املاء الفراغات بكلمات مناسبة۔

١۔عندى ـــــ كريمان ۔(رجال،رجلان،رجل) ٢ ـــــ الطالب(كم،هل،ماذا) ٣۔اسمها ـــــ(أحمد،فاطمة، التلميذ) ٤عائلة محمود ـــــ (تلميذة،صغيرة،جميلة) ٥۔تلك اشجار ـــــ (طويل،طويلة،طوال) ٦. فوق المكتب ـــــ كثيرة (كتب،كتاب،الكتب) ٧۔وجهه المؤمن ـــــ(جميلة،منور،نظيفة) ٨۔هل ـــــ خديجة۔(هو،هى،هن) ٩۔الطلاب ـــــ الى الكلية۔(تذهب،ذاهب،يذهبون) ١٠ ـــــ حقيبة الاستاذ(هؤلاء،هذه،ذالك)

السوال الثالث:رتب الكلمات التالية لتكون جملا مفيدة: (٢٠)

١۔(الأستاذ،الولد،يعلم) ٢۔(العامل،فى،عمل،يجتهد) ٣۔(أسال،النجاح،الله،الامتحان،فى) ٤۔(الولد،الفاكهة،ياكل) ٥۔(يمسح،يده،الولد) ٦۔(على،الجدار،الأرض،تسقط) ٧۔(الولد،الجار،قطف،من، زهرة،حديقة) ٨۔(ى،أستاذ،قرأ) ٩۔الحبل،شدت،البنت) ١٠۔(عند،المرأة،ى،أولاد)

Q.4 Answer the following question: السوال الرابع:أجب عن الأسئلة۔ (٢٠)

١۔متى تحضر إلى الكلية؟٢۔أين الجامعة؟٣۔على أى شى تكتب؟٤۔كم عدد أصابيع يديك؟٥۔بماذا تمشى؟٦۔كم سنا فى فمك؟٧۔ما هى آخر أيام الأسبوع؟٨۔متى تعود الى المسجد؟٩۔مع من خرجت من المدرسة؟١٠۔كم يوما فى الشهر؟

السوال الخامس (أ)اكتب الواحد والجمع للأسماء التالية: **Q.5(A)Write Singular &Plural of the following nouns.(٢٠)**

ذراع۔حديقة۔منزل۔أوراق۔بساتين۔ طرق۔فواكهة۔سقف۔كبير۔صغار۔

(B)Write the masculine & feminine of following.: (ب)اكتب المذكر والمؤنث للأسماء التالية:

ثور۔مخلص۔نائم۔المسكين۔غنى۔ناقة قبيح۔رجالون۔جدة۔أستاذ۔

Q.6Translate the following sentences into Arabic(٢٠) السوال السادس:ترجم الجمل التالية إلى اللغة العربية:

١۔بچے نے قلم سے لکھا ٢۔میں مدینہ منورہ نو مرتبہ گیا ٣۔اس وقت رات کے گیارہ بجے ہیں ٤۔میری خالہ غلطی کو پسند نہیں کرتی۔٥۔میں اسلام آباد رہتا ہوں۔٦۔کیا زینب تصویر دیکھتی ہے ٧۔ استاد کمرے میں ہے۔٨۔عبد اللہ میرا دوست ہے۔ ٩۔سال میں چار موسم ہوتے ہیں۔ ١٠۔کل اتوار تھا ۔

السوال السابع:ترجم الأبيات التالية إلى اللغة الأردية و استخرج الأفعال منها : (٢٠)

Q.7Translate the following into Urdu & tell about the verbs.

تطوف بالدواء فى الصبح و المساء و تأخذ الحرارة بغاية المهارة

فى كفها الشفاء يبعثه الرجاء فى قلبها حنان يبثه اللسان

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017

Subject: Applied Psychology **Paper: (I)** Course Code: APS-301

Course Title: Basic Concepts in Psychology

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note:- *Attempt any five questions. All question carry equal marks.*

نوٹ: کوئی سے پانچ سوالات تحریر کریں۔تمام سوالات کے نمبر یکساں ہیں۔

1: معالجاتی نفسیات دان اور ماہر تعلیمی نفسیات کا کردار تفصیلاً تحریر کیجیے۔

2: تجرباتی طریقے پر تفصیلاً نوٹ تحریر کیجیے۔

3: مختلف دروں افرازی غدوود کے افعال اور ساخت پر بحث کیجیے۔

4: آنکھ کی ساخت اور افعال کی شکل بنا کر وضاحت کیجیے۔

5: ادراک کیا ہے؟ فاصلے اور گہرائی کے ادراک کے مختلف اشارات/علامات کی وضاحت کیجیے۔

6: میسلو کا نظریہ محرک تفصیلاً بیان کیجیے۔

7: ہیجان کی تعریف کیجیے۔ ہیجان کے کوئی سے دو نظریات زیر بحث لائیے۔

8: تعقلات کی تشکیل کے بارے میں پیاجے کا نظریہ تفصیلاً تحریر کیجیے۔

Note: Attempt any Five questions.All questions carry equal marks.

1:Write in detail the role of Clinical and Educational Psychologist.

2:Write a detailed note on Experimental Method.

3:Discuss structure and function of different Endocrine Glands.

4:Explain the structure and function of Eye with its Diagram.

5: What is Perception. Explain different cues of Depth & Distance Perception.

6:Describe Maslow's theory of Motivation in detail.

7:Define Emotion. Discuss any two theories of Emotion.

8: Write in detail the theory of Concept Formation given by Piaget.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/BSc (Part-II) Annual 2017

Subject: Applied Psychology **Paper: (II)** Course Code: APS-401

Course Title: Areas of Psychology

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note:- *Attempt any five questions. All question carry equal marks.*

کوئی سے پانچ سوال حل کریں۔ تمام سوالوں کے نمبر مساوی ہیں۔

Q. 1 **Define psychometrics. Explain briefly the major characteristics of psychometrics**

نفسی آزمائشوں کی تعریف کریں۔ نفسی آزمائشوں

Q. 2 **Define Anxiety. Describe the types of Anxiety Disorders.**

تشویش کی تعریف کریں۔ تشویشی امراض کی اقسام بیان کریں

Q. 3 **Write a comprehensive note on Rational Emotive Behavior therapy**

عقلی جذباتی کرداری طریقہ علاج پر جامع نوٹ لکھیں

Q. 4 **Describe in detail the physical and psychological aspects of developmental.**

نشوونما کے جسمانی اور نفسیاتی پہلوؤں کو تفصیل سے بیان کریں

Q. 5 **Define educational psychology. Describe the types of Special Children.**

تعلیمی نفسیات کی تعریف کریں۔ اسپیشل چلڈرن کی اقسام بیان کریں

Q. 6 **Define Attitude. Describe the types of attitudes shortly.**

رویے کی تعریف کریں۔ رویوں کی اقسام کو مختصراً بیان کریں

Q. 7 **What is leadership? What characteristics you want to see in Pakistani leadership.**

قیادت سے کیا مراد ہے۔ آپ پاکستانی قیادت میں کونسی خصوصیات دیکھنا چاہتے ہیں۔

Q. 8 **Describe the selection and placement procedure of Personnel's**

کارکنوں کے انتخاب اور تعیناتی کے طریقہ کار کو بیان کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Applied Psychology **Paper: <u>(Optional)</u>** Course Code: APS-421

Course Title: Applied Psychology

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any five questions. All question carry equal marks.*

نوٹ: کوئی سے پانچ سوالات کے جواب لکھئے۔ تمام سوالات کے نمبر یکساں ہیں۔

Q # 1: Define crimimal psychology? Does it help to control crimes?

جرائمی نفسیات کی تعریف بیان کیجئے۔ کیا یہ جرم کی روک تھام میں مددگار ثابت ہوتی ہے؟

Q # 2: Give the process of personnel selection. Write a detailed note on Salesmanship.

عملے کے انتخاب کا طریقہ بیان کیجئے۔ نیز سیلز مین شپ پر سیر حاصل گفتگو کیجئے۔

Q # 3: Define educational psychology. Discuss characteristics of a good teacher.

تعلیمی نفسیات کی تعریف بیان کیجئے۔ نیز ایک اچھے استاد کی خصوصیات بیان کیجئے۔

Q # 4: Discuss the detail industrial psychology and child psychology.

صنعتی نفسیات اور بچوں کی نفسیات پر تفصیلی بحث کیجئے۔

Q # 5: Describe different types of research methods in psychology.

نفسیات کے مختلف تحقیقی طریقوں پر روشنی ڈالئے۔

Q # 6: How will you define Pshchology? Differentiate abnormal psychology from educational psychology.

نفسیات کی تعریف کیجئے۔ غیر طبعی نفسیات اور تعلیمی نفسیات میں فرق واضح کیجئے۔

Q # 7: Discuss mechanism of heredity in genetics.

جینز میں موروثیت کے میکانکی عمل پر بحث کیجئے۔

Q # 8: How can accidents be reduced in industry? Explain

صنعت میں حادثات کو کیسے کم کیا جا سکتا ہے؟ وضاحت کیجئے۔

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Sc (Part-I) Annual 2017 Subject: Chemistry

PAPER-A Title: Physical Chemistry Max. Marks: 35

Note : Attempt any five questions. Furthermore, it is compulsory to attempt at least two questions from each section. Each question carries 7 marks.

SECTION-I

Q. 1. (a) Differentiate given functions w.r.t x

(i) $y=\sin 2x+\cos 3x^3$

(ii) $y=(x^2+6x+7)(2x^9+3x^5+7x+7)$

(b) Integrate following functions (i) $\int x^2\cos 4x^4 dx$ (ii) $\int \frac{dx}{\sqrt{ax+b}}$

Q. 2 (a). What are assumptions of kinetic theory of gases and how they are justified?

(b) Calculate the angle at which first order diffraction occurs when X-Rays of 1.54nm are diffracted from crystal while interplanar distance is 3.95nm.

Q. No.3. (a) Derive an expression for entropy of an ideal gas when temperature and pressure undergo change. (b) The first order rate constant for the decomposition of N_2O_5 is 5.2×10^{-6} at 0ºC. If energy of activation is 6220 Joule per mole, calculate rate constant of this reaction at 25ºC.

Q. N0. 4. (a). Derive mathematical expression for calculation of rate constant for second order reaction with different initial concentration of reactants. (b) State and explain second law of thermodynamics.

SECTION-II

Q. N0. 5. (a). Consider molecule of 1,3-Butadiene as one dimensional box having length

0.6×10^{-9}m. How much energy is absorbed if electron jumps from n=2 to n=4 (Hint: $E=n^2h^2/8ma^2$) (b) How much grams of glucose are required to prepare $600cm^3$ of 0.45 molar solutions

Q. No. 6. (a) .State and explain Heisenberg’s uncertainty principle (b) How elevation of boiling point is used to calculate molecular mass of solute

Q. No. 7 (a). Derive Langmuir adsorption isotherm stating the assumption on which it is based. Under what conditions Langmuir adsorption isotherm is reduced to Freundlich adsorption isotherm. (b) What is cell constant? How it is experimentally determined. Calculate cell constant of N/50 HCl solution if specific conductance of solution is $0.00233Scm^{-1}$ at 25ºC while resistance of cell is 100 Ohms.

Q. No.8. (a) Compare physical and Chemical adsorption.

(b) How Arrhenius theory explains behavior of electrolytic solution.

Note for Paper Setter: It is the choice of examiner to either set a full question from a single chapter or to mix two or more chapters for a question.

MODEL PAPER **Roll No.------------------**

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Sc Part-I Annual 2017

Subject: Chemistry PAPER-B Title: Inorganic Chemistry

Max. Marks: 35 Time Allowed = 03:00 Hours Pass Marks: 33%

Note: Attempt any five questions:

Q.No.1. What is periodic law? Describe the features of the modern periodic table. (07)

Q.No.2. a)What are various types of radiation given off by a radioactive element. (04)

b)Why certain isotopes are stable while other are radioactive? (03)

Q.No.3. Discuss the features of CFT, d-orbital splitting for various common geometries. (07)

Q.No.4.What is leveling effect?

Q.No.5. a)How does VBT explain the structures of molecules? (03)

b) How does the molecular orbital theory differ from VBT? (04)

Q.No.6. What is law of mass action? Give its applications (07)

Q.No.7. Give the classifications of chromatographic techniqes. (07)

Q.No.8. Explain any two from the followings (3.5,3.5)

i) Metallic bonds ii) SHAB Principle iii) Carbon dating iv) Chelates

Note for Paper Setter: It is the choice of examiner to either set a full question from a single chapter or to mix two or more chapters for a question.

MODEL PAPER **Roll No.------------------**

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Sc. Part-II Annual 2017

Subject: Chemistry PAPER-A Title: Organic Chemistry

Max. Marks: 35 Time Allowed = 03:00 Hours Pass Marks: 33%

Note: Attempt any five questions: It is compulsory to attempt at least two questions from each section.

Section-I

Q.No.1. Describe in detail the phenomenon of 'Resonance Effect' and its influence on the properties of organic compounds. (7)

Q.No.2. What is Freund Synthesis? Prepare any two cycloalkanes using this method. (7)

Q.No.3. Describe in detail the 'Freidel-Craft's alkylation and acylation reaction' alog with mechanisms. Prepare acetophenone and toluene starting from benzene using this method. (7)

Q.No.4. Write a detailed note on the 'Applications of Grignard's Reagent' in Organic Synthesis. (7)

Section-II

Q.No.5. Discuss the mechanism of following 'Named Reactions': (7)

(I) Wittig Reaction (II) Cannizaro's reaction

Q.No.6. Describe any three routes for the synthesis of ethers. (7)

Q.No.7. Describe Koehl reaction along with mechanism. (7)

Q.No.8. Write a note on the chemical reactions of diols and triols. (7)

MODEL PAPER | **Roll No.------------------**

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Sc. Part-II Annual 2017

Subject: Chemistry PAPER-B Title: Applied Chemistry

Max. Marks: 35 Time Allowed = 03:00 Hours Pass Marks: 33%

Note: Attempt any five questions: It is compulsory to attempt at least two questions from each section. All questions carry equal marks *i.e.*, 7.

Section-I

Q.No.1 What is Flame Emission Spectroscopy? Describe basic principle and instrumentation.

Q.No.2. What is acid rain? Describe in detail its impact on the environment.

Q.No.3. Write in detail the applications of solvent extraction in chemistry.

Q.No.4. Explain standard deviation and its uses in chemistry.

Section-II

Q.No.5. Write a note on sugar industry, describe its raw materials, manufacturing process and flow sheet diagram

Q.No.6. Explain cell wall polysaccharides in detail.

Q.No.7. Describe the significance of lipids in biological membranes.

Q.No.8. What are proteins? Describe their classifications and biological significances.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B Sc. (Part-1) Annual -2017 Subject: Botany

Course Title: Diversity of Plants Paper: - A

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

Note: Attempt any FIVE questions by selecting TWO questions from Section-I and THREE questions from Section-II. Elaborate your answers with labeled diagrams, where necessary.

SECTION-I

Q-1 a) What are various steps during the replication of virus? (03)

b) Explain autotrophic mode of nutrition in bacteria. (04)

Q-2 Write notes on:

a) Sexual Reproduction in Vauchena (04)

b) Globule of chara (03)

Q-3 Describe the life Cycle of Ustaligo. (7)

SECTION-II

Q-4 Compare the Sporogonium of Anthoceros with that of Porella. (7)

Q-5 Discuss the life cycle of Marsillia. (7)

Q-6 Describe the internal structure of rhizome of Psilotum. (7)

Q-7 Describe the male and female cone of Pinus. (7)

Q-8 Describe the stem Anatomy of Ephedra. (7)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B Sc. (Part-1) Annual -2017 Subject: Botany

Course Title: Plant Systematics Anatomy & Development Paper: - B

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

Note: Attempt any FIVE questions by selecting at least TWO questions from each section. Elaborate your answers with labeled diagrams, where necessary.

SECTION-I

Q-1 a) What is plant systematics? Difference between phylogenetic and artificial systems of Classification. (04)

b) Give significance of binomial nomenclature. (03)

Q-2 a) Define Inflorescence. Differentiate between cymose & recemose inflorescence. (04)

b) Define spike, catkin & umbel. (03)

Q-3 a) Differentiate between tap root & adventitious root. Write modification of tape root. (04)

b) Define stilt root & prop root. (03)

Q-4 Write distinguishes features of family solanaceae. Give its economic importance; write botanical names of least four economically important plants. (07)

SECTION-II

Q-5 a) What are PITS? Differentiate between simple pits and bordered pits. (04)

b) Give structure of bordered pit pair and half bordered pit pair. (03)

Q-6 Define tissue. Differentiate between SIMPLE and CMPLEX TISSUS. Write different types of simple tissues. (07)

Q-7 a) Differentiate between primary and secondry growth. (03)

b) Write secondry growth in dicot stem. (04)

Q-8 Write notes on: -

a) meristem and its types. (04)

b) vessels and trachieds. (03)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B Sc. (Part-II)	Annual -2017	Subject: Botany
Course Title: Cell Biology, Genetics and Evolution		Paper: - A
Time Allowed: 03:00 Hours	Maximum Marks: 35	Pass Marks: 33%

Note: Attempt any FIVE questions by selecting at least TWO questions from each section. Draw suitable diagrams, where necessary.

SECTION-I

Q-1 a) Discuss the structure and function of Lipids. (03)

b) Describe the structure of DNA. (04)

Q-2 a) Describe Ultra structure and functions of Mitochondria. (04)

b) Write a note on Dictyosomes. (03)

Q-3 a) What is Meiosis? Discuss briefly the Meiosis- I. (04)

b) What is significance of Mitosis? (03)

Q-4 a) Describe Physico-chemical nature of cytoplasm. (04)

b) Write a note on Karyotype analysis. (03)

SECTION -II

Q-5 a) What is sex linked inheritance? Explain sex Linkage in man (colour blindness). (04)

b) Write a note on linkage and crossing over. (03)

Q-6 What is translation? Give a detail account of protein synthesis. (07)

Q-7 a) What is gene mutation? Describe physical and chemical mutagens. (04)

b) Write a note on release of new varieties. (03)

Q-8 a) Give an account of Darwin’s theory of evolution. (04)

b) Write a brief note on genetic conservation. (03)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B Sc. (Part-II) Annual -2017 Subject: Botany

Course Title: Physiology and Ecology Paper: - B

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

Note: Attempt any FIVE questions in all but not more than THREE from any section.

SECTION-I

Q-1 a) What are psychological role and deficiency symptoms of nitrogen, phosphorus and calcium in plants? (04)

b) How the molecular nitrogen of the atmosphere is fixed? (03)

Q-2 a) Briefly discuss the mechanism of photosynthesis explaining photolysis, energy and CO_2 fixation. (04)

b) Write a short note on Plant Tissue Culture. (03)

Q-3 a) Write a short note on Krebs cycle. (04)

b) Define and discuss photoperiodism. What is the significance of hormones in Photoperiodism? (03)

Q-4 What are Enzymes? How they are classified? Discuss their nature and properties. (07)

SECTION -II

Q-5 a) What is Soil Organic matter and its importance? (03)

b) What is Soil Erosion? Discuss Soil Erosion by wind and its control. (04)

Q-6 a) Give an account of water cycle in nature and its importance of atmospheric moisture to plants. (04)

b) Briefly discuss the impact of Wind as an ecological factor. (03)

Q-7 a) Define an Ecosystem. Discuss ecological energetic in terms of Food chains, Food web and Tropic levels. (04)

b) Write a short note on desertification. (03)

Q-8 a) What is productivity? Briefly give an account of different methods of its measurement.

(04)

b) Write a short note on conservation of natural resources. (03)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/BSc (Part-I) Annual 2017

Subject: Islamic Studies **Paper: (Compulsory)** Course Code: ISS-302

Course Title: Islamic studies compulsory

Time Allowed: 02:00 Hours Maximum Marks: 60 Pass Marks: 33%

Note: Attempt all questions. All questions must be solved on the Answer sheet. Do not write on the question paper.

سوال نمبر ۱: درج ذیل میں سے پانچ اجزاء کے مختصر جواب دیجئے۔ 10 = 5 x 2

Q-No.1 Answer Any Five of the following Short Questions.

(i) جملہ اسمیہ کسے کہتے ہیں۔

(ii) ختم نبوت پر ایک قرآنی آیت کا ترجمہ لکھیے۔

(iii) سورۃ الصف میں نفع بخش تجارت کسے کہا گیا ہے۔

(iv) حدیث کی رو سے بچے کو کب نماز کا حکم دیا جائے۔

(v) صلح حدیبیہ کس سن میں اور کہاں ہوئی۔

(vi) نبی صلی اللہ علیہ وسلم کی حکمت انقلاب سے کیا مراد ہے۔

(vii) ثقافت کے لغوی معنی کیا ہیں۔

Viii) مرکب توصفی کی دو مثال دیں۔

سوال نمبر ۲: درج ذیل میں سے دو قرآنی آیات کا ترجمہ اور تشریح کیجئے۔ 10 , 10

Q-No.2. Translate and Explain any two of the Quranic Verses.

(الف) لِلّٰهِ مَا فِي السَّمٰوٰتِ وَمَا فِي الْاَرْضِ ۗ وَاِنْ تُبْدُوْا مَا فِيْٓ اَنْفُسِكُمْ اَوْ تُخْفُوْهُ يُحَاسِبْكُمْ بِهِ اللّٰهُ ۗ فَيَغْفِرُ لِمَنْ يَّشَآءُ وَيُعَذِّبُ مَنْ يَّشَآءُ ۗ وَاللّٰهُ عَلٰى كُلِّ شَيْءٍ قَدِيْرٌ ۝

(ب) اِنَّ الَّذِيْنَ يُؤْذُوْنَ اللّٰهَ وَرَسُوْلَهٗ لَعَنَهُمُ اللّٰهُ فِي الدُّنْيَا وَالْاٰخِرَةِ وَاَعَدَّ لَهُمْ عَذَابًا مُّهِيْنًا ۝

(ج) يٰٓاَيُّهَا الَّذِيْنَ اٰمَنُوْا لَا تَرْفَعُوْٓا اَصْوَاتَكُمْ فَوْقَ صَوْتِ النَّبِيِّ وَلَا تَجْهَرُوْا لَهٗ بِالْقَوْلِ كَجَهْرِ بَعْضِكُمْ لِبَعْضٍ اَنْ تَحْبَطَ اَعْمَالُكُمْ وَاَنْتُمْ لَا تَشْعُرُوْنَ ۝

(د) وَسَخَّرَ لَكُمُ الَّيْلَ وَالنَّهَارَ ۙ وَالشَّمْسَ وَالْقَمَرَ ۭ وَالنُّجُوْمُ مُسَخَّرٰتٌۢ بِاَمْرِهٖ ۭ اِنَّ فِيْ ذٰلِكَ لَاٰيٰتٍ لِّقَوْمٍ يَّعْقِلُوْنَ ۝

سوال نمبر ۳: درج ذیل احادیث میں سے کسی ایک کا ترجمہ اور تشریح کیجئے۔ 10

Q.No3. Translate and Explain any one of the following Hadith.

(الف): قَالَ: تَرَكْتُ فِيْكُمْ اَمْرَيْنِ لَنْ تَضِلُّوْا مَا تَمَسَّكْتُمْ بِهِمَا كِتَابَ اللّٰهِ وَسُنَّةَ رَسُوْلِهٖ۔

(ب): قَالَ: طَلَبُ الْحَلَالِ فَرِيْضَةٌ بَعْدَ الْفَرِيْضَةِ۔

سوال نمبر ۴: عصر حاضر میں نبی کریم صلی اللہ علیہ وسلم کی سیرت کے مطالعے کی ضرورت و اہمیت بتائیے۔ 10

Describe Importance to Study the Seerah of Holy Prophet (PBUH) in present age.

یا

نبی صلی اللہ علیہ وسلم کی حکمت انقلاب کے اہم نکات واضح کیجئے۔

Explain the important points of 'Hikmat-a-Inqlab' of Holy Prophet (PBUH).

سوال نمبر ۵: اسلامی تہذیب و ثقافت کے علمی اثرات واضح کیجئے۔ 10

Explain the knowlegful Impact of Islamic Civilization.

یا

مغربی تہذیب کے خصائص و اثرات بتائیے۔

Explain the Qualities and Impact of Western Civilization.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017

Subject: Ethics **Paper: (Compulsory)** Course Code: ETH-302

Course Title: Ethics compulsory

Time Allowed: 02:00 Hours Maximum Marks: 60 Pass Marks: 33%

Note: **Attempt any three Questions. All Questions carry equal marks.**

نوٹ: کوئی سے تین سوالات حل کیجیے۔تمام سوالات کے نمبر یکساں ہیں۔

سوال نمبر۱: اخلاقیات کی تعریف کیجیے۔نیز علم الاخلاق اور مابعدالطبیعات کا تعلق واضح کیجیے۔

Q.1: Define ethics and explain the relation between ethics and Metaphysics.

سوال نمبر۲: فلسفہ اخلاق کی روشنی میں تصور خیر وشر پر نوٹ لکھیے۔

Q.2: Write a note on the concept of good and evil in the light of philosophy of ethics.

سوال نمبر۳: خاندان اور مختلف تعلیمی وثقافتی ادارے اخلاقی اقدار کے فروغ میں نمایاں کردار ادا کر سکتے ہیں۔بحث کیجیے۔

Q.3: Family and different educational and cultural institutions can play a major role to promote moral values, Discuss.

سوال نمبر۴: بدھ مت اور اسلام کی اخلاقی تعلیمات کا موازنہ کیجیے۔

Q.4: Compare the ethical teachings of Budhism and Islam.

سوال نمبر۵: مسلم معاشرے میں غیر مسلموں کے حقوق کے حوالے سے اسلامی تعلیمات کا خلاصہ بیان کیجیے۔

Q.5: Narrate summary of Islamic teachings regarding the rights of non-muslims in a muslim society.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) — Annual 2017

Subject: Islamic Studies — **Paper: <u>(I)</u>** — Course Code: ISS-301

Course Title: Islamic Studies -I

Time Allowed: 03:00 Hours — Maximum Marks: 100 — Pass Marks: 33%

نوٹ: سوال نمبر 1، لازمی ہے۔ کاٹ کر یا مٹا کر لکھا ہوا جواب غلط تصور ہوگا۔

سوال نمبر 1: درج ذیل میں سے کوئی سے دس اجزاء کے جواب تحریر کیجئے: (۱۰x۲)

(i) تفسیر بالماثور کی تفسیر کریں۔

(ii) تفسیر اور تاویل میں کیا فرق ہے؟

(iii) کن تین اوقات میں کسی کے گھر / کمرہ میں اجازت لیکر جانا چاہیے؟

(iv) افک کا لفظی معنی کیا ہے؟

(v) غیر شادی شدہ زانی یا زانیہ کی سزا کیا ہے؟

(vi) انفاق فی سبیل اللہ کا مفہوم بیان کیجئے۔

(vii) ایلاء کے لغوی اور اصطلاحی معنی لکھیے۔

(viii) مرتد کسے کہتے ہیں اور اس کی سزا کیا ہے؟

(ix) شراب نوشی کے چند نقصانات بیان کیجئے۔

(x) میسر سے کیا مراد ہے؟

(xi) الطلاق مرتن میں طلاق کی کون سی قسم کا ذکر ہے؟

(xii) خلع کے لغوی اور اصطلاحی معنی بتائیے۔

(xiii) بیوہ کی عدت کیا ہے؟

(xiv) قذف کی سزا سے کیا مراد ہے؟

(xv) قسم توڑنے کا کفارہ کیا ہے؟

(xvi) سورہ نور کے رکوعات اور آیات کی تعداد کیا ہے؟

سوال نمبر 2: تفسیر کا معنی و مفہوم اور اس کی ضرورت و اہمیت تفصیلاً بیان کریں۔ (10)

تفسیر قرآن کے ماخذ پر روشنی ڈالیے۔

سوال نمبر 3: درج ذیل آیات میں سے کسی ایک کا با محاورہ ترجمہ کیجئے: (15)

(الف) یایھاالذین امنوا انفقوا من طیبٰت ما کسبتم ومما اخرجنا لکم من الارض ولا تیمموا الخبیث منه تنفقون ولستم باخذیه الاان تغمضوا فیه واعلمو ان الله غنی حمید۔

(ب) شهر رمضان الذی انزل فیه القران هدی للناس وبینٰت من الهدی والفرقان فمن شهد منکم الشهر فلیصمه ومن کان مریضا اوعلی سفر فعدة من ایام اخر یرید الله بکم الیسر ولا یریدبکم العسر۔

سوال نمبر 4: درج ذیل آیات میں سے کسی ایک کا با محاورہ ترجمہ کیجئے۔ (15)

(الف) ان الذین جاء و بالافك عصبه منکم لاتحسبو ہ شرا لکم بل هوَخیرلکم لکل امری منهم ماکتسب من الاثم والذی تولی کبره منهم له عذاب عظیم۔

(ب) یایها الذین امنو الاتدخلوا بیوتا غیربیوتکم حتی تستا نسوا وتسلموا علی اهلها ذلکم خیرلکم لعلکم تذکرون۔ فان لم تجدوا فیهااحدا فلا تدخلو ها حتیٰ یؤذن لکم وان قیل لکم ارجعوا فارجعوا هوازکی لکم والله بما تعملون علیم۔

سوال نمبر 5: سورۃ البقرہ کی روشنی میں کسی ایک عنوان پر تفصیلی نوٹ لکھیے۔ (15)

(الف) مہر (ب) جہاد فی سبیل اللہ

سوال نمبر 6: سورۃ النور کی روشنی میں درج ذیل عنوانات میں سے کسی ایک پر نوٹ لکھیے۔ (15)

(الف) احکام پردہ (ب) لعان

سوال نمبر 7: مرکب اضافی اور مرکب توصیفی کی تعریف لکھیں نیز عربی کی مثالیں دیجئے۔ (10)

یا

ذَھَبَ سے فعل ماضی مطلق معروف کی گردان مع اعراب لکھیے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Islamic Studies **Paper: (II)** Course Code: ISS-402

Course Title: Islamic Studies-II

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt all questions.

۱۔ منکرینِ حدیث کے حجیتِ حدیث کے حوالہ سے بیان کردہ اعتراضات اور ان کے مدلل جوابات تحریر کریں؟ (10)

یا

جمع وتدوینِ حدیث کی وضاحت بیان کرتے ہوئے عہدِ رسالت ﷺ میں جمع وتدوینِ حدیث کی تاریخ بیان کیجئے؟

۲۔ فقہ سے کیا مراد ہے؟ فقہ اسلامی کی ضرورت واہمیت پر قرآن وسنت کی روشنی میں جامع مضمون قلمبند کریں؟ (10)

یا

اجماع سے کیا مراد ہے؟ دورِ حاضر میں اجماع امت کی ضرورت واہمیت پر جامع شذرہ تحریر کریں؟

۳۔ درج ذیل احادیث مبارکہ میں سے کسی ایک حدیث کا ترجمہ وتشریح کیجئے۔؟ (12+8= 20)

الف : عَنْ اَبِیْ هُرِیْرَةَ قَالَ: قَالَ رَسُوْلُ اللّٰهِ صَلَّی اللّٰهُ عَلَیْهِ وَسَلَّم لَیْسَ الشَّدِیْدُ بِا لصُّرْ عَةِ اِنَّمَا الشَّدِیْدُ الَّذِیْ یَمْلِکُ نَفْسَهٗ عِنْدَ الْغَضَبِ.

یا

ب : عَنْ سَهَلِ بِن سَعدِ قَالَ: قَال رَسُوْلُ اللّٰهِ صَلَّی اللّٰهُ عَلَیْهِ وَسَلَّم مَن یَضمَن لِی مَابَینَ لَحیَیهِ وَمَا بَینَ رِجلَیهِ اَضمَنُ لَهُ الجَنَّةَ.

۴۔ درج ذیل فقہی عبارات میں سے کسی ایک کا ترجمہ اور تشریح کیجئے؟ (12+8=20)

الف: اَلشَّهِیْدُمَن قَتَلَهُ الْمُشْرِکُونَ اَوْ وُ جِدَ فِی الْمَعْرِکَةِ وَ بِه اَ ثَرُالجَرَاحَةِ اَوْ قَتَلَهُ الْمُسْلِمُوْنَ ظُلْمَاوٌ لَمْ تَجِبُ بِقَتَلِهِ دِیَةٌ.

یا

ب : وَ السُّجُودُ وَاجِبٌ فِی هٰذِهِ المَوَاضِع عَلَی التَّالِی وَ السَّامِعِ سَوَاءٌ قَصَدَ سِمَا عَ اَلقُرْاٰنِ اَ وْ لَمْ یَقْصِدْ.

۵۔ ’’ سیرۃِ محمد ﷺ ہی یقیناً دورِ حاضر کے تمام اخلاقی مسائل ومشکلات کا واحد حل ہے۔‘‘ جامع مقالہ تحریر کریں؟ (10)

یا

’’دعوتِ اسلام کے نبوی طریقۂ کار سے ہی یقیناً اسلام پوری دنیا میں پھیل سکتا ہے۔‘‘ مدلل مضمون تحریر کریں؟

۶۔ دورِ بنوعباس میں مسلمانوں کے رفاہی وفلاحی کارنامے بیان کیجئے؟ (10)

یا

مختلف سائنسی علوم میں مسلمانوں کی گرانقدر خدمات پر جامع نوٹ لکھیں؟

.. (20) سوالنمر7۔ درج ذیل میں سے صرف دس سوالات کی جوابات دیں

۱۔ وضو کے فرائض لکھیں؟

۲۔ سجدۂ سہو کی تعریف بیان کریں؟

۳۔ کاتبینِ وحی سے کیا مراد ہے؟

۴۔ تابعی کسے کہتے ہیں؟

۵۔ سود کی حرمت پر قرآن حکیم سے دلیل پیش کریں؟

۶۔ اذان کونسی نمازوں کے لیے لازم ہے؟

۷۔ قرآن مجید میں کل کتنے مقامات پر سجدۂ تلاوت واجب ہے؟

۸۔ فقہ اسلامی میں قیاس کی وضاحت کریں؟

8۔ صحابی سے کیا مراد ہے۔

9۔ حدیث قدسی سے کیا مراد ہے۔

10 ۔ قیاس کے ارقان تحریر کریں۔

11۔ اجماع کی اقسام بیان کریں۔

12۔ منکرین حدیث کے دو اعترازاضات بیان کریں۔

13۔ اذان میں ترجیں سے کیا مراد ہے۔

14۔ قیا س کی تعریف بیان کریں۔

15۔ مرد اور عورت کا ستر کیا ہے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Islamic Studies **Paper: (Optional)** Course Code: ISS-421

Course Title: Islamic Studies (Opt)

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt all questions.

۱)۔ وحی کا مفہوم اور اس کی اقسام قلمبند کریں۔ (20)

یا

تدوین قرآن پر جامع نوٹ لکھیں۔

۲)۔ سورۃ الفتح / سورۃ الحجرات کی روشنی میں درج ذیل عنوانات میں سے کسی ایک پر نوٹ لکھیں۔ (10)

(الف) صلح حدیبیہ (ب) اخوت اسلامی کے تقاضے

۳)۔ درج ذیل قرآنی آیات میں سے دو اجزاء کا ترجمہ اور تشریح کیجئے۔ (20+20)

(الف)۔ يٰٓاَيُّهَا الَّذِيْنَ اٰمَنُوْا لَا تَرْفَعُوْٓا اَصْوَاتَكُمْ فَوْقَ صَوْتِ النَّبِيِّ وَلَا تَجْهَرُوْا لَهٗ بِالْقَوْلِ كَجَهْرِ بَعْضِكُمْ لِبَعْضٍ اَنْ تَحْبَطَ اَعْمَالُكُمْ وَاَنْتُمْ لَا تَشْعُرُوْنَ ○ اِنَّ الَّذِيْنَ يَغُضُّوْنَ اَصْوَاتَهُمْ عِنْدَ رَسُوْلِ اللّٰهِ اُولٰٓئِكَ الَّذِيْنَ امْتَحَنَ اللّٰهُ قُلُوْبَهُمْ لِلتَّقْوٰى ۭ لَهُمْ مَّغْفِرَةٌ وَّاَجْرٌ عَظِيْمٌ ○

(ب)۔ لَقَدْ رَضِيَ اللّٰهُ عَنِ الْمُؤْمِنِيْنَ اِذْ يُبَايِعُوْنَكَ تَحْتَ الشَّجَرَةِ فَعَلِمَ مَا فِيْ قُلُوْبِهِمْ فَاَنْزَلَ السَّكِيْنَةَ عَلَيْهِمْ وَاَثَابَهُمْ فَتْحًا قَرِيْبًا ○ وَّمَغَانِمَ كَثِيْرَةً يَّاْخُذُوْنَهَا ۭ وَكَانَ اللّٰهُ عَزِيْزًا حَكِيْمًا ○

(ج)۔ يٰٓاَيُّهَا الَّذِيْنَ اٰمَنُوْا لَا يَسْخَرْ قَوْمٌ مِّنْ قَوْمٍ عَسٰٓى اَنْ يَّكُوْنُوْا خَيْرًا مِّنْهُمْ وَلَا نِسَاۗءٌ مِّنْ نِّسَاۗءٍ عَسٰٓى اَنْ يَّكُنَّ خَيْرًا مِّنْهُنَّ ۚ وَلَا تَلْمِزُوْٓا اَنْفُسَكُمْ وَلَا تَنَابَزُوْا بِالْاَلْقَابِ ۭ بِئْسَ الِاسْمُ الْفُسُوْقُ بَعْدَ الْاِيْمَانِ ۚ وَمَنْ لَّمْ يَتُبْ فَاُولٰٓئِكَ هُمُ الظّٰلِمُوْنَ ○

۴)۔ حضرت ابوبکر صدیقؓ کی سیرت اور کارہائے نمایاں تحریر کریں۔ (15)

یا

حضرت عمرؓ کی خدماتِ اسلام کا اجمالی جائزہ لیں۔

۵)۔ حضرت علیؓ کی سیرت و خدمات کے نمایاں پہلوؤں پر روشنی ڈالیں۔ (15)

یا

خلافتِ راشدہ کی نمایاں خصوصیات پر جامع نوٹ لکھیں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012

Course Title: Islamic Studies(New Course) **Course Code: Islamic Studies**

Pass Marks: 33% **Allowed: 03:00 Hours** **Maximum Marks:100**

Attempt the following Quesions.

درج ذیل سوالات حل کیجئے

Q.1. Write the short answers of any FIVE of the following questions.

1) Write down kalma Tayyba with Airab and translation. 11) Give the kinds of Shirk. 111) Writh four sentences on iman -bil-Aakhrat. iv) What are the conditions of Jihad Fi-Sabil-Allah. v) what are the teaching of Holy Quran about Tafakkur and Tadabbur. vi) What is meaning of iman - Bil - kutob? vii) Write the expenditures of Zakat.

۱) درج ذیل میں سے پانچ کے مختصر جوابات دیجے۔

۱)کلمہ طیبہ اعراب کے ساتھ لکھئے اور ترجمہ کیجئے۔ ۲) شرک کی اقسام بتائیں ۳) آخرت پر ایمان چار جملوں میں بیان کریں۔

۴)جہاد فی سبیل اللہ کی کیا شرائط ہیں؟ ۵)تفکر وتدبر کے بارے میں قرآن کی کیا تعلیمات ہیں؟ ۶) آسمانی کتابوں پر ایمان لانے کا کیا مطلب ہے؟

۷)زکوت کے مصارف بتائیں۔

Q. 2. translate and Explain any two fo the following Quranic verses.

درج ذیل آیات قرآنیہ میں سے دو کا ترجمہ اور تشریح کیجئے۔

الف) للہ مافی السموت ومافی الارض

ب)

ج)

د)

۳)حسب ذیل احدیث میں سے کسی ایک کا ترجمہ اور تشریح کیجئے۔

۴)غزوات نبوی ﷺ کی روشنی میں جہاد کی نوعیت،اہمیت اور مقاصد بیان کیجئے۔ یا رسول اکرم ﷺ کے خطبہ الوداع کی تفصیلات بیان کیجئے۔

Q. 5. Define the civilizatin & discuss the basis characteristics of Islamic civilizatio. **OR** .

indicate the intellectual impact of the islamic Civilization on the mankind.

تہذیب کسے کہتے ہیں اسلامی تہذیب کی خصوصیات پر جامع نوٹ لکھیں یا۔ عالم انسانیت پر اسلامی تہذیب کے فکری اثرات کی نشاندہی کیجئے۔

Ethics (for Non-Muslim Candidate)

Attempt any Three questins. All questions carry equal marks.

Q. 1. what does Ethics mean? Also exlain the Scope of Ethics .

اخلاقیات سے کیا مُراد ہے یہ اصطلاح کن وسیع مظامین کا احاطہ کیے ہوئے ہے؟

Q.2. Explain the ralationship between Ethics and Religion.

اخلاقیات اور مذہب کا باہمی تعلق واضح کیجئے۔

Q.3 Write the significance of moral Techings, as standard of Happiness.

خوشی اور نشاط کے معیار کے لیے اخلاقی تعلیمات کی اہمیت تحریر کریں۔

Q.4. What is significance of various theries of punishment in the promotion of moral values in human society ?

انسانی معاشرہ میں اخلاقی اقدار کی ترویج اور اشاعت میں سزا اور جواب دہی کے مختلف نظریات کی کیا اہمیت ہے؟

Q.5. What are the ethical Teachings in Christainaity? Explain with arguments.

مسیحیت کی اخلاقی تعلیمات کیا ہیں ۔دلائل کی روشنی میں جائزہ لیں۔

Q. 6. Write a detail note on islamic Teachings towards minorities.

اقلیتوں کے متعلق اسلام کی تعلیمات پر مفصل نوٹ لکھیں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012

Course Title: Islamic Studies (A) **Maximum Marks:100**

Time Allowed:3 hrs. **Pass Marks: 33%**

سوال نمبر۱ لازمی ہے کاٹ کر یا مٹا کر لکھا ہوا جواب غلط تصور ہو گا۔

۱)درج ذیل میں سے کوئی سے دس اجزاء کے جوابات لکھیئے ۔

۱)صلوۃالقصر سے کیا مُراد ہے؟

۲)احرام سے کیا مُراد ہے؟

۳)مسجد قبلتین کو یہ نام کیوں دیا گیا؟

۴) غض بصر سے کیا مُراد ہے؟

۵)کوئی سے چار حروف جارہ تحریر کریں۔

۶) ایک عربی اور ایک اُردو تفسیر کے نام لکھیئے ۔

۷)کون سے دو خون حلال اور کون سے دو حرام ہیں؟

۸)مہر معجل سے کیا مُراد ہے؟

۹)حضرت داؤد اور طالوت میں کیا نسبت ہے؟

۱۰)بیوہ کی عدت کی مدت تحریر کریں۔

۱۱)لعان سے کیا مُراد ہے؟

12) فُسوق سے کیا مراد ہے؟

۱۳)طلاق رجعی سے کیا مراد ہے؟

۱۴)خلفاءراشدین کے ترتیب وار نام لکھیں۔

۱۵)اسلامی اصطلاح میں محرم میں کون کون ہیں۔

۲)علم تفسیر کے لیے کن علوم کا جاننا ضروری ہے؟

یا

قرآن کریم کی جمع و تدوین پر تفصیلی مضمون لکھیئے

۳)مندرجہ ذیل میں سے کسی ایک جزو کا با محاورہ اُردو ترجمہ کریں۔

الف)

ب)

۴)مندرجہ ذیل میں سے کسی ایک جزو کا با محاورہ اُردو ترجمہ کریں۔

الف)

ب)

۵) سورہ البقرہ کی روشنی میں درج ذیل عنوانات میں سے کسی ایک پر نوٹ لکھیے ۔

الف) طلاق ب)حرمت خمر و میسر

۶)سورۃ البقرہ کی روشنی یں درج ذیل عنوانات میں سے کسی ایک پر نوٹ لکھیے

الف) مجلس نبوی کے آداب　　　　　ب) ایلا گیات کا اسلامی تصوّ

۷) جلس سے ماضی مجہول کی گردان لکھیے ۔

یا

حروف جارہ کونسے ہیں ان کے اپنے سے بعد والے الفاظ پر اثرات لکھیے ۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012

Course Title: Islamic Studies (B) **Maximum Marks:100**

Pass Marks: 33% **Time Allowed:3 hrs.**

---

۱) منکرین حدیث کی طرف سے حدیث پر کیے گئے اعتراضات کا مختصر جائزہ پیش کیجئے۔

یا

عہد نبوی ﷺ میں حفاظت حدیث پر نوٹ لکھئے۔

۲؟ بطور ماخذ شریعت سنت

یا

اجماع کی اہمیت پر نوٹ لکھیے۔

۳) درج ذیل احادیث مبارکہ میں سے کسی ایک کا ترجمہ اور تشریح کیجئے۔

الف)

ب)

۴) درج ذیل فقہی عبارات میں سے کسی ایک کا ترجمہ اور تشریح کیجئے۔

الف)

ب)

۵) دعوت دین میں نبی اکرم ﷺ کے طریق کار کے اہم نکات لکھیے۔

یا

سیرت النبی ﷺ کے مطالیہ کی اہمیت پر روشنی ڈالیے۔

۶) عصر حاضر میں سپین میں مسلمانوں کے رفاہی وفلاحی کارنامے بیان کیجئے۔

یا

عصر حاضر میں مسلمانوں کے زوال کے اسباب بیان کیجئے۔

۷) درج ذیل سوالات میں سے صرف پانچ کے مختصر جوابات دیجئے۔

۱) حدیث تقریری سے کیا مراد ہے؟ ۲) بیع الغرر سے کونسی تجارت مراد ہے؟

۳) کن دو چیزوں کی حفاظت کی ضمانت پر نبی اکرم ﷺ نے جنت کی ضمانت دی ہے؟ ۴) قیاس کے ارکان میں علت سے کیا مراد ہے؟

۵) شہید کی شرعی تعریف لکھئے۔ ۶) ریاضی کے میدان میں خدمات سرانجام دینے والے کسی معروف مسلمان سائنسدان کا نام لکھئے۔

ے) حدیث کے مطابق افضل جہاد کونسا عمل ہے؟

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012

Course Title: Islamic Studies (Optional) Maximum Marks:100

Time Allowed:3 hrs. Pass Marks: 33%

مکی سورتوں سے کیا مراد ہے؟ان کی امتیازی خصوصیت تفصیل سے لکھیے۔

یا

وحی کی تعریف لکھیے اور اقسام وحی پر جامع و مفصل نوٹ لکھیے۔

۲)سورہ الفتح/سورہ کی روشنی میں درج ذیل عنوانات میں سے کسی ایک پر جامع نوٹ لکھیے۔

الف) صلح حدیبیہ ب) مقام وآداب رسالت تعلیمات اسلامی کو روشنی میں

۳) درج ذیل میں سے دو اجزاء کا ترجمہ وتشریح کیجئے۔

الف)

ب)

ج)

۴)حضرت عمرؓ کی سیرت اور کارہائے نمایاں پر جامع نوٹ لکھیے۔

یا

حضرت علیؓ کی سیرت اور انتظام مملکت پر نوٹ لکھیے

۵)حضرت ابوبکر صدیقؓ کی سیرت اور کارہائے نمایاں پر جامع نوٹ لکھیے۔

یا

حضرت عثمانؓ کی سیرت اور انتظام مملکت کے امتیازی کارناموں پر جامع نوٹ لکھیے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Urdu **Paper: (I)** Course Code: URD-301

Course Title: Urdu-I

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt all questions.*

سوال نمبر۱: درج ذیل اقتباسات میں سے کسی ایک کی تشریح حوالہ متن اور سیاق وسباق کے ساتھ کیجیے۔ (۲۰)

(ا) اس بادشاہ کے عمل میں ہزاروں شہر تھے اور کئی سلطان نعل بندی دیتے، ایسی بڑی سلطنت پر ایک ساعت اپنے دل کو خدا کی یاد اور بندگی سے غافل نہ کرتا۔ آرام دنیا کا جو چاہیے سب موجود تھا۔ لیکن فرزند کہ زندگی کا پھل ہے اس کی قسمت کے باغ میں نہ تھا۔ اس طرح اکثر فکرمند رہتا۔

(ب) آج دوپہر کتنا سناٹا تھا۔ وہ چھمی کے دوپٹے میں کرن ٹانک رہی تھی اور اپنے مستقبل کے خیال کو جان پر نازل کیے جا رہی تھی۔۔۔ اگر وہ فیل ہو گئی تو کیا ہوگا، اگر پاس ہو گئی تو لے دے کر ایک ہی بات رہ جاتی ہے کہ بی۔ ٹی کرے، استانی بن جائے۔ مگر کیا وہ بی۔ ٹی کر سکے گی۔

سوال نمبر۲: سیاق وسباق اور حوالہ متن کے ساتھ کسی ایک پیراگراف کی تشریح کیجیے۔ (۲۰)

(ا) میرا یہ خیال ہے کہ اگر انسانوں کے دلوں کو چیر کر ان کا حال دیکھا جاوے تو دانا اور نادان دونوں کے دلوں میں کچھ تھوڑا سا فرق نکلے گا۔ دونوں کے دلوں میں ہمیشہ بہت سے لغو اور بے ہودہ خیال آتے ہیں۔ بے شمار وسوسے دونوں کے دلوں میں اٹھتے ہیں مگر ان دونوں میں یہی فرق ہوتا ہے کہ دانا آدمی ان میں سے انتخاب کرتا ہے۔

(ب) اول ایک ذرا سی بات تھی۔ خدا جانے کن کن لوگوں کے جوش طبع اور کن کن سببوں سے تلواریں درمیان آ کر لاکھوں خون بہہ گئے۔ خیر اب وہ خون خنک ہو گئے۔ زمانے کی گردش نے پہاڑوں، خاک اور جنگلوں مٹی ان پر ڈال دی۔

سوال نمبر۳: درج ذیل اشعار میں سے صرف تین اشعار کی تشریح کیجیے اور شاعر کا نام بتایئے۔ (۱۵)

عاشقاں کوں شہید کر کے صنم — کف حنائی نہ کر خدا سوں ڈر

آرسی دیکھ کر نہ ہو مغرور — خود نمائی نہ کر خدا سوں ڈر

پرورش غم کی ترے یاں تئیں تو کی دیکھا — کوئی بھی داغ تھا سینے میں کہ ناسور نہ تھا

کیا مجھ کو داغوں نے سرو چراغاں — کبھو تو نے آ کر تماشا نہ دیکھا

غیروں پہ کھل نہ جائے کہیں راز دیکھنا — میری طرف بھی غمزۂ غماز دیکھنا

اثر اس کو ذرا نہیں ہوتا — رنج راحت فزا نہیں ہوتا

سوال نمبر۴: کسی ایک جزو کی تشریح کیجیے نیز شاعر اور نظم کا نام تحریر کیجیے۔ (۱۵)

(ا)
دیکھے کوئی چمن تو پڑا ہے اجاڑ سا — غنچہ نہ پھل نہ پھول نہ سبزہ ہرا بھرا
آواز قمریوں کی نہ بلبل کی ہے صدا — نہ حوض میں ہے آب نہ پانی ہے نہر کا
چادر پڑی ہے خشک تو ہے آبشار بند

(ب)
نہیں اس طبق پر کوئی برِاعظم — نہ ہوں جس میں ان کی عمارات محکم
عرب، ہند، مصر، اندلس، شام، دیلم — بناؤں سے ہیں ان کی معمور عالم
سرِ کوہ آدم سے تا کوہ بیضا
جہاں جاؤ گے کھوج پاؤ گے ان کا

سوال نمبر۵: میر تقی میر، مرزا غالب، میر امن دہلوی، سرسید احمد خاں اور منشی پریم چند میں سے کسی ایک کے حالات زندگی تحریر کیجیے نیز اسلوب کی خوبیاں بیان کیجیے؟ (۱۵)

سوال نمبر۶: کسی ایک صنف ادب پر نوٹ تحریر کیجیے۔ (ا): قصیدہ (ب): غزل (ج): ڈراما (۱۵)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Urdu **Paper: (II)** Course Code: URD-401

Course Title: Urdu-II

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt all questions.*

سوال نمبر 1:۔ درج ذیل عنوانات میں سے کسی ایک پر جامع مضمون لکھیے۔ (25)

(الف) اردو زبان کی ترقی کے ذرائع (ب) اقبال کی شاعرانہ عظمت

(ج) پریم چند بطور افسانہ نگار (د) اردو نظم کا ارتقا

سوال نمبر 2:۔ مسعود حسن رضوی کے خیال میں شعر کی لفظی خوبیاں کیا ہیں؟ یا (20)

مسعود حسن رضوی کے خیال میں شعر کی معنوی خوبیاں کیا ہیں؟

سوال نمبر 3:۔ سرسید احمد خاں کے اسلوب بیان پر نوٹ لکھیے۔ یا (15)

جدید اردو نثر کے بانی غالب یا سرسید کا ناقدانہ جائزہ پیش کیجیے۔

سوال نمبر 4:۔ الطاف حسین حالی کی نثری خدمات کا جائزہ لیجیے۔ یا (15)

مومن و غالب کے دور کی اہم خصوصیات بیان کیجیے۔

سوال نمبر 5:۔ درج ذیل ادبی و تنقیدی اصطلاحات میں سے صرف دو پر تعارفی نوٹ لکھیے۔ (15)

(الف) عینیت (ب) آفاقیت (ج) رومانیت (د) تغزل

سوال نمبر 6:۔ درج ذیل میں سے کسی ایک کی تعریف کیجیے اور دو شعری مثالیں بھی دیجیے۔ (10)

(الف) استعارہ (ب) مراۃ النظیر

یا

درج ذیل شعر کی تقطیع کیجیے اور بحر کا نام بھی لکھیے۔

کل چودھویں کی رات تھی شب بھر رہا چرچا ترا

کچھ نے کہا یہ چاند ہے کچھ نے کہا چہرا ترا

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Urdu **Paper: <u>(Optional)</u>** Course Code: URD-421

Course Title: Urdu

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt all questions.*

سوال نمبر۱: درج ذیل میں سے کسی ایک اقتباس کی تشریح سیاق وسباق کے حوالے سے کریں نیز سبق کا عنوان اور منصف کا نام بھی تحریر کریں۔ ۲۰=۲+۲+۳+۱۳

(ا) تم ثمر نورس ہو اس نہال کے جس نے میری آنکھوں کے سامنے نشو ونما پائی ہے اور میں ہوا خواہ وسایہ نشیں اس نہال کا رہا ہوں۔ کیونکر تم مجھ کو عزیز نہ ہو گے؟ رہی دید وادید، اس کی دو صورتیں ہیں تم دلی میں آؤ یا میں لوہارو آؤں، تم مجبور، میں معذور، خود کہتا ہوں کہ میرا عذر زنہار مسموع نہ ہو، جب تک نہ سمجھ لو کہ میں کون ہوں اور ماجرا کیا ہے۔

(ب) غریبوں کا وہ محسنِ اعظمؐ جس کی زندگی صرف غریبوں کی بھلائی اور خوشحالی کے لیے تھی، جو غریبوں کے نام پر اقتدار حاصل کے قصرِ سلطانی کے گنبد پر نہیں بیٹھا تھا اور پھر اس کے ملک کو اپنانے والوں نے بھی امیری میں فقیری کی۔ وہ غریبوں کے لیے جیے۔ پھر اس کے بعد شہنشاہیت آئی، ملوکیت آئی، فسطائیت آئی، جمہوریت آئی، اشتراکیت آئی مگر غریبوں کے نام پر سب نے اقتدار حاصل کیا۔ سب قصرِ سلطانی کے گنبد پر چڑھ کر بیٹھ گئے اور غریب یہ تماشا دیکھتا رہا۔

سوال نمبر۲: کوئی سے تین اشعار کی تشریح کریں۔ ہر شعر کی تشریح سے پہلے شاعر کا نام بھی لکھیں۔ ۱۲=۳+۱، ۳+۱، ۳+۱

(ا) دل کی کچھ قدر کرتے رہیو تم — یہ ہمارا بھی ناز پرور تھا

(ب) مرتا تھا میں تو باز رکھا مرنے سے مجھے — یہ کہہ کے کوئی ایسا کرے ہے ارے ارے

(ج) لوگوں کو ہے خورشیدِ جہاں تاب کا دھوکا — ہر روز دکھاتا ہوں میں اک داغِ نہاں اور

(د) یہ فتنہ آدمی کی خانہ ویرانی کو کیا کم ہے — ہوئے تم دوست جس کے دشمن اس کا آسماں کیوں ہو

(ر) حسنِ بے پروا کو اپنی بے حجابی کے لیے — ہوں اگر شہروں سے بن پیارے تو شہر اچھے کہ بن؟

(س) نہ پوچھ ان خرقہ پوشوں کی ارادت ہو تو دیکھ ان کو — یدِ بیضا لیے بیٹھے ہیں اپنی آستینوں میں

سوال نمبر۳: درج ذیل اجزا میں سے کسی ایک جزو کی تشریح کریں۔ تشریح سے پہلے شاعر کا نام اور نظم کا عنوان بھی تحریر کریں۔ ۱۳=۲+۲+۹

(ا)
تازہ انجم کا فضائے آسماں میں ہے ظہور — دیدۂ انساں سے نا محرم ہے جن کی موجِ نور
جو ابھی ابھرے ہیں ظلمت خانۂ ایام سے — جن کی ضو نا آشنا ہے قیدِ صبح و شام سے
جن کی تابانی میں اندازِ کہن بھی نو بھی ہے — اور تیرے کوکبِ تقدیر کا پرتو بھی ہے

(ب)
اپنا درد مجھ سے کہہ میں بھی سراپا درد ہوں — جس کی تو منزل تھا میں اس کارواں کی گرد ہوں
رنگِ تصویرِ کہن میں بھر کے دکھلا دے مجھے — قصۂ ایامِ سلف کا کہہ کے تڑپا دے مجھے
میں تیرا تحفہ سوئے ہندوستاں لے جاؤں گا — خود یہاں روتا ہوں اوروں کو وہاں رلواؤں گا

سوال نمبر۴: نظم ''التجائے مسافر'' کا خلاصہ یا ''میر تقی میرؔ'' کے حالاتِ زندگی تحریر کریں۔ ۱۰

سوال نمبر۵: سبق ''خوشامد'' کا خلاصہ یا ''میرزا ادیب'' کے اسلوب کی نمایاں خصوصیات بیان کریں۔ ۱۵

سوال نمبر۶: ذیل میں دیے گئے عنوانات میں سے کسی ایک عنوان کا انتخاب کر کے اس پر جامع مضمون لکھیں۔ ۳۰

(ا) تعمیرِ معاشرہ میں طلبا کے فرائض (ب) علامہ اقبال بحیثیت شاعر (ج) نظریۂ پاکستان کی ضرورت (د) جدید علوم کی اہمیت

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-I) **Annual 2017**

Subject: Zoology **Paper: (A)** Course Code: ZOO-301

Course Title: Principle in Animal Life

Subjective Part: Time Allowed: 02:30 Hours Maximum Marks: 20

Note: Answer the question of Part II & Part III on separate Answer sheet provided

Part-II

Answer any three of the following: **4+4+4=12**

Q.3: What is an electrolyte, an acid, a base, ad buffers? What is the relationship between pH and H^+ ion concentration?

Q.4: How cells convert energy? Differentiate between substrate level phosphorylation and Chemiosmosis.

Q.5: Differentiate between Spematogenesis and Oogenesis.

Q.6: Why is DNA replication semi-conservative and describe the functions of DNA polymerase?

Q.7: Why gene flow and mutation important to evolution?

Q.8: Write a note on molecular evolution.

Part-III

Attempt one of the following: **(8)**

Q.9: What an essay on eukaryotic chromosomes.

Q.10: What are the various categories of learning? Give an example of each type. **(8)**

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-I) **Annual 2017**

Subject: Zoology **Paper: (A)** Course Code: ZOO-301

Course Title: Principle in Animal Life

Objective Part: Time Allowed: 30 mints Maximum Marks: 15

Note: Cutting and overwriting are not allowed in Objective part

1) In part 1 all question are compulsory. Answer these questions on the question sheet only.
2) Answer any three question from part-II any one question from part-III
3) Answer the questins of part-II and part-III on separate answer sheet provided

Q.1: Make TRUE of FALSE statement. Give correct statement if it is false: 1x5=5

Statement	True/False	Correct Statement
a. Mammals like reptiles were common during Carboniferuos period.		
b. Pseudoscience is the representation of ideas or beliefs as scientific without scientific basis		
c. Flagella may have arisen through the invagination of prokaryotes similar to spiral shaped bacteria called spirochetes		
d. The scanning electronic microscope (SEM) is used to study surfaces rather than thick sections of the cells.		
e. During Krebs cycled 8 NADH molecules as reproduced.		

Q.2: Tick the correct option from the MCQ given below: 1x10=10

1. Which of the following zoogeographical region does " Sahara desert: belong to
(i) Neotropical (ii) Neartic (iii) Ethopian (iv) Oriental
2. Hyracotherium (Eohippus) was a dog sized animal with four prominent toes on each foot, was evolved during which epoch?
(i) Oligocene (ii) Eocene (iii) Miocene (iv) Pliocene
3. Which hormone in mammals is responsible for the development and maintenance of secondary sexual characteristics?
(i) Aldosterone (ii) Testosterone (iii) both of these (iv) None of these
4. Compounds with the same molecular formula but different structures are

(i) Proteins (ii) Carbohydrates (iiii) Monomers (iv) Isomers

5. Asiatic black bear (Ursus thibatanus) is present in Asia but now endangered due to
   (i) Over collection of medicines (ii) Over population for pet markets (iii) Habitat loss and poaching (iv) none of these
6. The white blood cells of a grog engulf and digest harmful bacteria is an example of
   (i) Exocytosis (ii) Phagocytosis (iii) Pinocytosis (iv) None of these
7. Axonemes of microtubules consist of pair of microtubules
   (i) 7 (ii) 8 (iii) 9 (iv) 10
8. How many number of alleles are now appears to delemine Rh phenotype?
   (i) 10 (ii) 20 (iii) 30 (iv) 40
9. Dinosaurs replaced mammal-like reptiles and the first true mammals appeared during _____________________ period of Mesozoic Era.
   a) Quaternary b) Tertiary c) Jurassic d) Triassic
10. _________ are evidence of plants and animals that existed in the past and have become incorporated into the earth's crust
    a) Fossil b) Leftover c) Sediments d) Scavenger

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-I) **Annual 2017**

Subject: Zoology **Paper: (B)** Course Code: ZOO-302

Course Title: Invertebrates Diversity (Classification, phylogeny and Organization)

Objective Part: Time Allowed: 30 mints Maximum Marks: 15

Note: Attempt Part-I on the question sheet and part-ii on answer sheet provided.

Important Note: Attempt this part in the given time of 1 hour and hand over to center superintendent. Who will provide answer sheet for part-II

Part-I

Q.1: Tick the correct option form the MCQ given below: 1x10=10

1. Liver fluke is found in the:

(a) intestine of human (b) Liver and bile duct of man (c) Liver and bile duct of sheep (d) Intestine of sheep

2. Ciliated larvae of monogeneans are called:

(a) Trochophore larva (b) onconiracidium (c) Muller's larva (d) Mircidium

3. The Rotifers derives their name from the characteristics ciliated organ:

(a) Lorica (b) Corona (c) Mastax (d) All of these

4. The scientific name of common pin worn is :

(a) Ascaris (b) Enterobius vermicularis (c) w.banerofti (d) trichinellasprialis

5. Leeches belong to class:

(a) Mongogenea (b) Polychaeta (c) Oligochaeta (d) Hirudinea

6. Earth worms are

(a) Monoecious (b) dioecious (c) Asexual (d) Parasites

7. Scorpian is the member of sub-phylum:

(a) Chelicerata (b) Crustaeea (c) Uniramia (d) Merostomata

8. Mating of spiders involves complex behaviours that include:

(a) Chemical signals (b) visual signals (c) Tactile signals (d) All of these

9. ________ are evidence of plants and animals that existed in the past and have become incorporated into the earth's crust

b) Fossil b) Leftover c) Sediments d) Scavenger

10. Structures and processes that are derived from a common ancestor are said to be

a) Analogous b) Homologous c) Convergent d) Divergent

Q.2: (a) Assign larvae ot the following animals/groups. 1/2x5=2.5

1. Sponges_______________________

2. Bivalves (mussels)____________________________

3. Anurans_________________________

4. Snails_______________________

5. Starfish_____________________________

(b) Assign respiratory structures to the following animals. 1/2x5=2.5

1. Hibernating frog_________________________

2. Eel____________________________

3. Sparrow___________________________

4. Spider____________________________

5. Leech________________________

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-I) **Annual 2017**

Subject: Zoology **Paper: (B)** Course Code: ZOO-302

Course Title: Invertebrate Diversity (Classification, phylogeny and Organization)

Subjective Part: Time Allowed: 02:30 Hours Maximum Marks: 20

Note: Answer the questions of Part-II on separate answer sheet provided.

Part-II

Q.3 Give brief answer to any ten of the following questions. 1x10=10

1. What are three kinds of a sexual reproduction in protozoa?
2. Give various stages in the life cycle of plasmodium?
3. What are the characteristics of protostomes?
4. Give two salient features of class hirudinea.
5. Define swim bladder, give its functions.
6. What do you know about pheromones?
7. Differentiate percocial and altricial birds.
8. How insects molts?
9. What are nematocysts? Give their functions.
10. enlist the chambers present in frog's heart.
11. what do you know about respiratory tree?
12. Why is the uric acid an adaptive excretory product for insects?
13. What is aestivation?
14. Name any three symbiotic life styles.
15. What do you know about echolocation?

Q.4: Describe canal system in porifera. 5

or

State parasitic adaptations in Platyhelminthes. 5

Q.5 Characterize class osteichthyes. 5

or

Discuss glands in mammals. 5

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-II) **Annual 2017**

Subject: Zoology **Paper: (A)** Course Code: ZOO-401

Course Title: Chordates, Diversity (Classification, phylogeny and Organization)

Objective Part: Time Allowed: 30 mints Maximum Marks: 15

Note: Attempt Part-I on the question sheet and part-ii on answer sheet provided.

Important Note: Attempt this part in the given time of 1 hour and hand over to center superintendent. Who will provide answer sheet for part-II

Part-I

Q.1: Tick the correct option form the MCQ given below: 1x10=10

1. Liver fluke is found in the:

(a) intestine of human (b) Liver and bile duct of man (c) Liver and bile duct of sheep (d) Intestine of sheep

2. Ciliated larvae of monogeneans are called:

(a) Trochophore larva (b) onconiracidium (c) Muller's larva (d) Mircidium

3. The Rotifers derives their name from the characteristics ciliated organ:

(a) Lorica (b) Corona (c) Mastax (d) All of these

4. The scientific name of common pin worn is :

(a) Ascaris (b) Enterobius vermicularis (c) w.banerofti (d) trichinellasprialis

5. Leeches belong to class:

(a) Mongogenea (b) Polychaeta (c) Oligochaeta (d) Hirudinea

6. Earth worms are

(a) Monoecious (b) dioecious (c) Asexual (d) Parasites

7. Scorpian is the member of sub-phylum:

(a) Chelicerata (b) Crustaeea (c) Uniramia (d) Merostomata

8. Mating of spiders involves complex behaviours that include:

(a) Chemical signals (b) visual signals (c) Tactile signals (d) All of these

10. ________ are evidence of plants and animals that existed in the past and have become incorporated into the earth's crust

c) Fossil b) Leftover c) Sediments d) Scavenger

10. Structures and processes that are derived from a common ancestor are said to be

b) Analogous b) Homologous c) Convergent d) Divergent

Q.2: (a) Assign larvae ot the following animals/groups. 1/2x5=2.5

1. Sponges_______________________

2. Bivalves (mussels)____________________________

3. Anurans_________________________

4. Snails_______________________

5. Starfish_____________________________

(b) Assign respiratory structures to the following animals. 1/2x5=2.5

1. Hibernating frog_________________________

2. Eel____________________________

3. Sparrow___________________________

4. Spider____________________________

5. Leech________________________

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-II) **Annual 2017**

Subject: Zoology **Paper: (A)** Course Code: ZOO-401

Course Title: Chordates, Diversity (Classification, phylogeny and Organization)

Subjective Part: Time Allowed: 02:30 Hours Maximum Marks: 20

Note: Answer the questions of Part-II on separate answer sheet provided.

Part-II

Q.3 Give brief answer to any ten of the following questions. 1x10=10

1. What are three kinds of a sexual reproduction in protozoa?
2. Give various stages in the life cycle of plasmodium?
3. What are the characteristics of protostomes?
4. Give two salient features of class hirudinea.
5. Define swim bladder, give its functions.
6. What do you know about pheromones?
7. Differentiate percocial and altricial birds.
8. How insects molts?
9. What are nematocysts? Give their functions.
10. enlist the chambers present in frog's heart.
11. what do you know about respiratory tree?
12. Why is the uric acid an adaptive excretory product for insects?
13. What is aestivation?
14. Name any three symbiotic life styles.
15. What do you know about echolocation?

Q.4: Describe canal system in porifera. 5

Or

State parasitic adaptations in Platyhelminthes. 5

Q.5: Characterize class osteichthyes. 5

Or

Discuss glands in mammals. 5

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-II) **Annual 2017**

Subject: Zoology **Paper: (B)** Course Code: ZOO-402

Course Title: Animal Form and Function (A Comparative Perspective)

Objective Part: Time Allowed: 30 mints Maximum Marks: 15

Note: Cutting and overwriting are not allowed in Objective part

1) In this part all question are compulsory. Answer these questions on the question sheet only.
2) Answer any three question from part-II any one question from part-III
3) While attempting part Ii and Part III. Write the same Question No. Which is on question paper

Importance Note: Attempt this part is the given time of 1 hour and hand over ot the superintendent. Who will provide you Answer sheet for part-II and Part-III

Part-I

Q.1: Multiple choice questions. Ticks mark the right answer. (10)

1. Tissues found in our body are derived from

(a) Embryonic ectoderm (b) Embryonic endoderm (c) Embryonic mesoderm (d) All of these

2. In taxidermy the skin is

(a) Classified (b) Preserved with help of chemicals (c) Diseased (d) Used in classification of animals

3. The important properties of neurons are

(a) Excitability (b) Conductivity (c) Both a and b (d) None of these

4. The electrical potential that exists across a cell membrane is

(a) Resting membrance potential (b) Active membrance potential

(c) Automatic potential (d) None of these

5. Receptors are the organs that carry/control

(a)Impulses from brain to effector organs (b) Impulses from environment to brain

(c) Control the environmental conditions for animal (d) none of the above functions

6. A chemical that acts on nearby cells is called

(a) Neurotransmitter (b) Hormone (c) Local chemical messenger (d) Pheronmone

7. Respiration in sponges

(a) Occurs anacrobically (b) Occurs when water comes in and goes out.

(c) Occurs with helf of gills (d) Does not occur at all

8. Which one ids the most concentrated source of food energy

(a) Carbohydrates (b) Liquids (c) Both a and b (d) None of these

9. The ability of the plasma membrane to let some substances in and keep others out is called

a) Homeostasis b) Selective permeability c) Osmosis d) Diffusion

10.The type of connective tissue that stores lipids is called_____

a) Adipose tissue b) Storage tissue c) Connective tissue d) Blood tissue

Q.2: Identify and label the diagram. 5

Diagram Picture

Model Paper

Roll No. ------------------

Government College University, Faisalabad

B.Sc (Part-II) **Annual 2017**

Subject: Zoology **Paper: (B)** Course Code: ZOO-402

Course Title: Animal Form and Function (A Comparative Perspective)

Subjective Part: Time Allowed: 02:30 Hours Maximum Marks: 20

Note: attempt any Three questions from Part-II and one from Part-III

Part-II

Q.3: Write a note on any three of the following: (4+4+4=12)

(1) Neurotransmitter (II) Neuron (III) Myelin sheath

Q.4: Describe how sliding filament model explain muscle contraction.

Q.5: Write a note on hormones of thyroid gland and heir function in mammals.

Q.6: Describe structure of human heart and draw a labeled diagram.

Q.7: Write a note on digestion in bivalve mollusks.

Part-III

Q.8: Write a detailed note on temperature regulation in fishes. (8)

Q.9: Explain the types of egg on the basis of distribution of yolk. (8)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017

Subject: Statistics **Paper: (I)** Course Code: STA-301

Course Title: Statistics-I

Time Allowed: 3:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note:- Attempt any five questions in all, at least two questions from each section. Scientific calculators and statistical tables are allowed.

Section-I

Q#1 (a) What are the different meanings of the word statistics? (05)

(b) If the arithmetic mean of n numbers $X_1, X_2, X_3, \ldots, X_n$ is M and A is any arbitrary number, then show that: $\sum(X_i - A)^2 = \sum(X_i - M)^2 + n(M - A)^2$ (05)

(c) For a given frequency distribution $\sum f_i X_i = 270$, $\sum f_i (X_i - \bar{X})^2 = 160$, $\bar{X} = 27$

Find the standard deviation and coefficient of variation. (05)

Q#2 (a) write a short note on skewness of a frequency distribution. (05)

(b) The ages of 100 workers range from 10 years to 54 years. They are grouped into 9 classes with a common class interval of 5 years and the class frequencies from the lowest to the highest class are: 1, 3, 7, 15, 23, 28, 16, 6, and 1. Find the coefficient of skewness by bowley's method. (10)

Q#3 (a) What are the important properties of least squares regression line? (04)

(b) Obtain the product moment coefficient of correlation between the following set of values:

x	7.4	9.0	11.0	2.5	4.6	6.5
y	8.5	6.1	2.4	6.7	12.6	3.3

Rank the values and hence find a Spearman's rank correlation coefficient between the two sets. (11)

Q#4 (a) Define and explain the consumers price index. (04)

(b) Show that marshall's index number do not satisfy the factor reversal test (04)

(c) A house hold budget inquiry of the middle class people in Faisalabad gave the following information. (07)

Item	Food	Rent	Clothing	Fuel	Misc
Expenditure	35%	15%	20%	10%	20%
Price(2000)	240	80	150	65	120
Price(2001)	250	80	160	75	150

Calculate the index number of retail price for the year 2001 with 2000 as base year

Q#5 (a) *Discuss briefly the main components of a time series.* (05)

(b) From the following time series find the yearly trend values by i) 3-years moving averages and ii) 4-years centered moving averages. (10)

Year	2005	2006	2007	2008	2009	2010	2011	2012	2013
Values	12	23	37	48	41	37	49	61	70

P-T-O

Section-II

Q#6 (a) Define and explain the following terms. (05)

i. Random experiment
ii. Sample space
iii. Sure event

(b) The probability that a man will be alive in next 20 years is 0.7 and that his wife will be alive in next 20 years is 0.6, find the probability that (10)

i) both will be alive ii) only the man will be alive iii) neither will be alive

iv) at least 1 will be alive v) only one of them will be alive in next 20 years.

Q#7 (a) Define mutually exclusive events. State and prove the theorem of addition of probabilities concerning mutually exclusive events. (05)

(b) The probability that a driver passes the written test for a driving license is 0.70, what is the probability that a person will fail the test on the 1^{st} try and pass the test on the 2^{nd} try. (05)

(c) In a single throw of 2 fair dice, find the probability that the product of the 2 numbers appearing is divisible by 4. (05)

Q#8 (a) What is meant by a discrete random variable and its probability distribution. (05)

(b) let X_1 and X_2 are two independent random variables having variances k and 2 respectively. If $var(3X_2 - X_1) = 21$, Find k. (05)

(c) A and B throw with one die for a prize of Rs. 1100, which is to be won by the player who 1^{st} throws 6. If A has the 1^{st} throw what are their respective expectations. (05)

Q#9 (a) Prove that the mean of the binominal distribution is np and variance is npq. (08)

(b) Records show that the probability is 0.00005 that a car will have a flat tire while crossing a certain bridge. Use the Poisson approximation to the binomial distribution that among 10000 cars crossing this bridge, (07)

i. Exactly two will have a flat tire.
ii. At most two will have a flat tire.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-II) Annual 2017

Subject: Statistics **Paper: <u>(II)</u>** Course Code: STA-401

Course Title: Statistics-II

Time Allowed: 3:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note:- *Attempt any five question in all, at least two questions from each section. Use of Scientific calculators and statistical tables are allowed.*

Section-I

Q.1 (a) Differentiate between: (6)
 (i) Stratum and cluster
 (ii) Probability sampling and non-probability sampling
 (iii) Sampling errors and non-sampling errors

(b) A population consists of 2, 4, 6, 8, 10 and 12. Draw all possible samples of size $n = 3$ without replacement and calculate means for all the samples. Verify that: (9)

$\mu_{\bar{X}} = \mu$ and $\delta_{\bar{X}} = \frac{\delta}{\sqrt{n}}\sqrt{\frac{N-n}{N-1}}$.

Q.2 (a) Define sampling distribution of sample proportion and state its properties. (6)

(b) A small professional society has $N = 4500$ members. The president has mailed $n = 400$ questionnaires to a random sample of members asking whether they wish to affiliate with a larger group. Assuming that the proportion of the entire membership favoring consolidation is $p = 0.7$, find the probability that the sample proportion P will differ from this by no more than 0.05. (9)

Q.3 (a) Define statistical inference, point estimation and interval estimation. (6)

(b) A random sample of 75 university students is selected and 16 are found to have cars on campus. Find a 95% confidence interval of the students who have cars on campus. (9)

Q.4 (a) Differentiate between: (6)
 (i) Acceptance region and rejection region
 (ii) Type-I error and type-II error
 (iii) One-tailed test and two-tailed test

(b) Suppose that the mean μ of a random variable X is unknown but the variance for X is known to be 144. Should we reject the null hypothesis $H_0: \mu = 15$ in favor of the alternative hypothesis $H_1: \mu \neq 15$ at $\alpha = 0.05$, if a random sample of 64 observations gives a mean $\bar{X} = 12$? (9)

Q.5 (a) Define chi-square distribution and state its application in statistics. (6)

(b) A sample of 9 parts produced by a certain production process gives the following respective measurements in inches: 5, 7, 2, 4, 8, 9, 8, 6, and 5. Test the hypothesis that the process has the variance equal to 4 $(\text{inches})^2$ at 5% percent level of significance. (9)

Section-II

Q.6 (a) What is the χ^2-test of goodness of fit? What are the assumptions of using this test? (6)

(b) Test whether the following data may be regarded as confirming to a Poisson distribution? (9)

x	0	1	2	3	4	5	6	7
f	305	365	210	80	28	9	2	1

Q.7 (a) Define regression, regressor and regressand. (6)

(b) Below are the average heights for the students of different ages at some university: (9)

Age (years)	birth (0)	2	3	5	7	10	14
Height (cm)	50.8	83.8	91.4	106.6	119.3	137.1	157.5

Calculate the least squares line to predict height at certain age. Also calculate the coefficient of linear correlation between age and height.

Q.8 (a) Distinguish between simple correlation, partial correlation and multiple correlation. (6)

(b) Three variables have in pairs simple correlation coefficients given by: (9)

$$r_{12} = 0.80,\ r_{13} = -0.70,\ r_{23} = -0.90.$$

Calculate all partial correlation coefficients and all multiple correlation coefficients.

Q.9 (a) Define analysis of variance. What are the assumptions in using one-way analysis of variance? (6)

(b) Construct the analysis of variance table for the following data: (9)

Factor *A*	Factor *B*			
	1	2	3	4
1	15	31	20	30
2	22	11	45	26
3	33	37	30	44
4	18	31	49	34
5	37	30	36	21

Test the hypotheses that:
 (i) Factor *A* has no effect on yields.
 (ii) Factor *B* has no effect on yields.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Statistics **Paper: (Optional)** Course Code: STA-421

Course Title: Statistics

Time Allowed: 3:00 Hours Maximum Marks: 100 Pass Marks: 33%

***Note: -** Attempt any five questions. All questions carry equal marks.*

Q. 1 (a). Define Statistics. What is the most important word in this definition? Why? What are two major branches of Statistics? Which branch is more worthwhile? Why?

Q. 1 (b). Name any two charts that can be made using qualitative data? Also name any five graphs that can be made using quantitative data.

Q. 1 (c). What sort of tables can be made of qualitative as well as quantitative data?

Q. 2 (a). Define central tendency. Which measures of central tendency are you familiar with? Distinguish between mean, median and mode.

Q. 2 (b). Find arithmetic mean of the following data.

x	30-39	40-49	50-59	60-69	70-79
f	3	11	23	9	4

Q. 3 (a). What do you know about dispersion? What are frequently used measures of dispersion? What measure of dispersion do you prefer for quantitative data? Why? Is there any measure of dispersion for qualitative data?

Q. 3 (b). Calculate standard deviation and coefficient of variation for the data of given in Q. 2(b).

Q. 4 (a). Define skewness and kurtosis. What are coefficient of skewness and kurtosis for normal data?

Q. 4 (b). Compute coefficient of skewness using any formula of your choice using the data given in Q. 2(b).

Q. 5 (a). Define attribute and contingency table. What is meant by independence of two attributes?

Q. 5 (b). Test whether 2 attributes, Subjects and Hobbies, are associated with each other or not? (5)

Hobbies↓ Subjects→	Math	Chemistry	Physics
Music	24	83	17
Drama	10	26	44

Also find coefficient of contingency and comment on your results.

Q. 6 (a). Define correlation. What are possible values and signs of a correlation coefficient? Name two variables from daily life that are known to be positively correlated with each other. Also name any two variables from daily life that are negatively correlated with each other.

Q. 6 (b). The following are the number of inquiries which a real estate agency received in eight weeks about houses for rent (X) and houses for sale (Y). If X = 60 72 47 38 17 45 33 57 and corresponding Y = 82, 85, 62, 53, 29, 50, 69, 88. Find coefficient of correlation and interpret it.

Q. 7 (a). What is regression? How is it different from correlation? What areprimary objectives of regression analysis?

Q. 7 (b). Find least square regression line of Y on X using the data given in Q. 6 (b). How would you interpret intercept and slope of this estimated regression line.

Q. 8 (a). Define Sampling, Population and Sample.Briefly describe any two non-probability sampling techniques.

Q. 8. (b). Take all possible samples of size 4 with replacement from a population consisting of two numbers, 2 and 4. Make a frequency distribution of sample means. Also verify that

(i) $\mu = \mu_{\bar{x}}$ and (ii) $\frac{\sigma^2}{n} = \sigma^2_{\bar{x}}$

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Sociology **Paper: (I)** Course Code: SOC-301

Course Title: General Sociology

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

***Note: -** Attempt any FIVE questions. All questions carry equal marks.*

۱۔ عمرانیات کا تعلق نفسیات اور سیاسیات کے ساتھ واضح کیجئے۔

1) Describe the relationship of sociology with psychology and political science. 10,10

۲۔ بنیادی اور ثانوی گروہوں کی خصوصیات بیان کیجئے۔

2) Describe the characteristics of primary and secondary groups. 10,10

۳۔ مسابقت اور تصادم کی اقسام مثالیں دے کر بیان کیجئے۔

3) Describe the types of competition and conflict with examples. 10,10

۴۔ معاشرتی ضبط لاگو کرنے کے طریقے تحریر کیجئے۔

4) Write down the methods of social control 20

۵۔ ثقافت کی تعریف کیجئے نیز ثقافت کے عناصر تحریر کیجئے۔

5) Define culture and describe the elements of culture. 05,15

۶۔ شخصیت پر اثر انداز ہونے والے عوامل بیان کیجئے۔

6) Describe the factors affecting the personality.. 20

۷۔ معاشرتی ادارہ کی تعریف کیجئے نیز تعلیمی ادارہ کے وظائف تحریر کیجئے۔

7) Define social institution and write down the functions of educational institution. 05,15

۸۔ مندرجہ ذیل پر نوٹ تحریر کیجئے۔

الف) مصالحت ب) عصبیت

8) Write down the note on the followings. 10,10

a) Accomodation b) Ethnocentrism

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Sociology **Paper: (II)** Course Code: SOC-401

Course Title: Sociological Theory research & Problem

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt at least one question from each section. And two questions from any section. All question carry equal marks. Attempt five questions.*

Section - 1

Q1: Explain the following Social Thoughts of Imam Ghazali 10+10

امام غزالی کے مندرجہ ذیل معاشرتی افکار کی وضاحت کریں

a) Social Justice b) Tawakkal

معاشرتی انصاف توکل

Q2: Explain the types of Suicide with examples from Pakistani Society. 20

پاکستانی معاشرے سے مثالوں کے ذریعے خودکشی کی اقسام کی وضاحت کریں

Q3: a) Describe the types of Social Action 10

معاشرتی عمل کی اقسام بیان کیجئے

b) Describe the types of Authority with suitable examples 10

مناسب مثالوں کے ذریعےاتھارٹی کی اقسام بیان کیجئے

Section - 2

Q4: a) What is the relationship between theory and research? 10

نظریے اور تحقیق کا آپس میں کیا تعلق ہے؟ وضاحت کریں

b) Describe differences between qualitative and quantitative research 10

کیفی اور مقداری تحقیق میں فرق بیان کیجئے

Q5: a) Define hypothesis 5

مفروضے کی تعریف کیجئے

b) Describe the characteristics of a good hypothesis 15

ایک اچھے مفروضے کی خصوصیات بیان کیجئے

Q6: a) Write down the merits and demerits of median 7

وسطانیہ کی خوبیاں اور خامیاں تحریر کریں

b) Calculate the Median from following data; 13

مندرجہ ذیل مواد سے وسطانیہ معلوم کیجئے

Heights in Inches قد انچوں میں	60-62	63-65	66-68	69-71	72-74
Number of Patients مریضوں کی تعداد	5	18	42	27	8

Section - 3

Q7: a) Define illiteracy 5

ناخواندگی کی تعریف کیجئے

b) Explain how illiteracy is a social problem with special reference to Pakistan 15

پاکستان کے خصوصی حوالہ سے وضاحت کیجئے کہ ناخواندگی کیوں کر ایک معاشرتی مسئلہ ہے

Q8: a) What is meant by Overpopulation? 5

افراط آبادی سے کیا مراد ہے؟

b) Describe the causes of overpopulation 15

افراط آبادی کی وجوہات بیان کیجئے

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Sociology **Paper: <u>(Optional)</u>** Course Code: SOC-421

Course Title: Sociology

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

***Note: -** Attempt any FIVE questions. All questions carry equal marks.*

Q.1 What is competition? Describe in detail the types of competition and illustrate. (5+15)

سوال نمبر ۱۔ مسابقت سے کیا مراد ہے؟ مسابقت کی اقسام کی مثالوں سے وضاحت کریں۔

Q No 2 Differentiate the following. (10+10)

(1) Formal and Informal groups 2) Primary and secondary groups

سوال نمبر ۲۔ درج ذیل گروہوں کا باہمی موازنہ کریں۔

(۱) بنیادی اور ثانوی گروہ (۲) رسمی اور غیر رسمی گروہ

Q.3 (A) What is a role? (B) Explain the relationship between status and role. (4+8+8)

(C) When a role conflict occurs and what are its consequences?

سوال نمبر ۳۔ (الف) کار منصب سے کیا مراد ہے؟ (ب) منصب اور کار منصب کا باہمی تعلق بیان کریں

(ج) کار منصب کا تصادم کب پیدا ہوتا ہے۔ نیز اسکے اثرات کیا ہوتے ہیں۔

Q.4 (A) What are social sanctions? (5+15)

B) Which are the types of social sanctions, describe and illustrate.

سوال نمبر ۴۔ (الف) معاشرتی مستحبات کیا ہیں (ب) معاشرتی مستحبات کی اقسام کی مثالوں سے وضاحت کریں۔

Q No. 5 Define society. (B) What are the elemnts of society? (5+8+7)

(c) Describe the characteristics of nomadic society?

سوال نمبر ۵۔ (الف) معاشرہ کی تعریف کریں (ب) معاشرہ کے عناصر کون کون سے ہوتے ہیں (ج) خانہ بدوش معاشرہ کی خصوصیات بیان کریں۔

Q.6 (A) Define culture. (B) What are the types of culture? (C) What are the causes of cultural uniformity? (5+8+7)

سوال نمبر ۶۔ (الف) ثقافت کی تعریف کریں۔ (ب) ثقافت کی اقسام کون کونسی ہیں (ج) ثقافتی مماثلت کی وجوہات کیا ہوتی ہیں؟

Q.7 Explain the following concepts?

(1) Multi culturalism (2) sub_culture (3) cultural Relativism (6+6+8)

سوال نمبر ۷۔ درج ذیل تصورات کی وضاحت کریں۔

(۱) کثیر الثقافت (۲) ذیلی ثقافت (۳) ثقافتی اضافیت

Q.8 (A) What does mean by social change? (B) Discus in detail the processes of social change. (5+15)

سوال نمبر ۸۔ معاشرتی تغیر سے کیا مراد ہے؟ (ب) معاشرتی تغیر کے عوامل تفصیلاً زیر بحث لائیں

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Social Work **Paper: (I)** Course Code: SOW-301

Course Title: Pakistan Society its needs and problems

Time Allowed: 3:00 Hours Maximum Marks: 75 Pass Marks: 33%

***Note: -** Attempt any FIVE questions. All questions carry equal marks.*

Q.No.1 Define Society. Eleborate the characteristics of Pakistan Society?

1۔ معاشرہ کی تعریف کریں۔ پاکستانی معاشرہ کی خصوصیات کی وضاحت کریں؟

Q.No.2 What is socialization? Describe the factors of socialization in detail?

2۔ سماجیانہ سے کیا مراد ہے۔ سماجیانہ کے عوامل تفصیلا بیان کریں؟

Q.No.3 Define family. Explain the functions of Pakistani family?

3۔ خاندان کی تعریف کریں؟ پاکستانی خاندان کے وظائف کی وضاحت کریں؟

Q.No.4 What is urbanization? Describe the cause of urbanization. Suggest measures to check the process of urbanization?

4۔ شہر بندی سے کیا مراد ہے۔ اس کی وجوہات بیان کریں نیز شہروں کی طرف نقل مکانی کو روکنے کیلئے تجاویز دیں؟

Q.No.5 What are the causes of low standard of education in Pakistan. Suggest measures to improve the standard of education?

5۔ پاکستان میں پست معیار تعلیم کی وجوہات کیا ہیں؟ معیار تعلیم کو بہتر بنانے کیلئے اقدامات تجویز کریں؟

Q.No6 Define socially disability. Suggest measures to solve the problems of socially disability?

6۔ سماجی معذوری کی تعریف کریں۔ سماجی معذوری کے خاتمے کیلئے اقدامات تجویز کیجئے۔

Q.No.7 What is drug addiction? Suggest measures to solve this social issue?

7۔ منشیات کی عادت سے کیا مراد ہے؟ اس سماجی مسئلہ کو حل کرنے کیلئے اقدامات تجویز کریں؟

Q.No.8 Write short notes on:

1) Juvenile Deliquency 2) Welfare of the Physically Handicapped.

8۔ مندرجہ ذیل پر نوٹ لکھیں۔

1۔ کمسنی کے جرائم 2۔ جسمانی معذوروں کی فلاح

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Social Work **Paper: <u>(II)</u>** Course Code: SOW-401

Course Title: Social Work Theory and Practice

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note: - *Attempt any FIVE questions. All questions carry equal marks.*

Q No.1 : Define Modern Social Work:

What do you understand by Modern Social Work. Describe the objective of Social Work . elaborately.

سوالنمبر1: سماجی بہبود سے کیا مراد ہے؟ سماجی بہبود کے بنیادی مقاصد تفصیل سے بیان کریں۔

Q No. 2: What do you under- Stand by profession? Differenciate between professional and vlounitary Social Work?

سوالنمبر2: : پیشہ سے کیا مراد ہے؟ پیشہ وارانہ اور رضا کارانہ سماجی بہبود میں فرق واضح کریں۔

Q No. 3: Define Social Case Work; Describe the elements/ components of Social Case Work.

سوالنمبر3 انفرادی سماجی بہبود / سوشل کیس ورک کی تعریف کریں۔انفرادی سماجی بہبود کے عناصر/اجزاء بیان کریں۔

Q No. 4: What do you mean Social Group Work? Rote of professional worker in group work practical: Describe.

سوالنمبر4: گروہی سماجی بہبود سے آپ کیا مراد لیتی ہیں؟ گروہی سماجی بہبود میں پیشہ وارانہ سماجی کارکن کا کیا کردار ہے؟ وضاحت سے لکھیں۔

Q No. 5: What do understand by community Organization? Describe phases/ steps of community organization in detail.

سوالنمبر5: جماعتی تنظیم سے آپ کیا مراد لیتی ہیں؟ جماعتی تنظیم کے مراحل تفصیل سے بیان کریں۔

Q No.6 : Social Administration is a Secondary methofd . Describe the importance of Social Administration in detail.

سوالنمبر6: فلاحی انصرام سماجی بہبود کا ایک ثانوی طریقہ یائے کار ہے۔سماجی بہبود میں فلاحی انصرام کی اہمیت تفصیلی بیان کریں۔

Q No. 7: What is Social Administration importance of Medical Social Work? Write the role of Social Worker in Medical Social Work.

سوالنمبر7: طبی سماجی بہبود کی کیا اہمیت ہے؟ طبی سماجی کارکن کے کردار پر تفصیل سے لکھیں۔

Q No.8 : Write Short Note on:

(i) Problems of youth in your area.

(ii) Concept of Social Work in Islam.

سوالنمبر8: مندرجہ ذیل پر مختصر نوٹ لکھیں۔

(i) آپ کے علاقہ میں نوجوانوں کے مسائل۔

(ii) اسلام میں سماجی بہبود کا تصور۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Social Work **Paper: (Optional)** Course Code: SOW-421

Course Title: Social Work

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

***Note: -** Attempt any FIVE questions. All questions carry equal marks.*

1. Define "Social Work". Discuss it's its need and importance.

۱۔ سوشل ورک کی تعریف کریں۔اس کی ضرورت اور اہمیت پر تفصیلاً بحث کریں۔

2. Explain the following principles of Social Work.

a) Right of Self- Determination b) Self-Help

۲۔ سوشل ورک کے درج ذیل اصولوں کی وضاحت کریں۔

الف) حق خودارادیت ب) اپنی مدد آپ

3. Define "Group Work". Explain its any two principles.

۳۔ گروپ ورک کی تعریف کریں۔اس کے کسی دو اصولوں کی وضاحت کریں۔

4. Define "Community Development". Discuss its basic principles.

۴۔ اجتماعی ترقی کی تعریف کریں۔اس کے بنیادی اصولوں پر بحث کریں۔

5. Discuss the causes of over-population in our society.

۵۔ ہمارے معاشرہ میں افراط آبادی کی وجوہات بیان کریں۔

6. Explain the needs and problems of women in Pakistan.

۶۔ پاکستان میں عورتوں کی ضروریات و مسائل کی وضاحت کریں۔

7. What are the causes of "Drug Addiction" in our country.

۷۔ ہمارے ملک میں منشیات کے استعمال کی کیا وجوہات ہیں؟

8. Suggest measures for "Youth Welfare" in our society.

۸۔ ہمارے معاشرہ میں نوجوانوں کی فلاح کیلئے اقدامات تجویز کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Punjabi **Paper: (I)** Course Code: PJB- 301

Course Title: Punjabi-I

Time Allowed: 3:00 Hours Maximum Marks: 100 Pass Marks: 33%

-1 دوجزاں دی تشریح کرو۔ شاعر تے عنوان یاں صنف دا حوالہ وی دیو۔ **20+20**

(الف)
مہک اُچیرے خُلق تیرے دی خَلق نوں مچھے لاندی
جگمگ جگمگ راہ تیرے دا کرو کرو پیا کر دا
عشق تیرے نے چنبے وانگوں اندر مُشک مچایا
یاد تیری وچ کوئل وانگوں دل کو کو پیا کر دا

(ب)
اپنے آپ نوں لگے روگاں دے احساسوں عاری نیں
لگنوں پہلاں دیون والے خبراں چن گرہن دیاں
سوچاں تے پیَراں دے پینڈے کسے گھڑی وی مکّے نہیں
دھپاں دے وچ سڑ گئیاں نیں سدھراں چھانویں بہن دیاں

(ج)
رانجھا میں وچ مَیں رانجھے وچ، غیر خیال نہ کوئی
میں نہیں، اوہ آپ ہے، اپنی آپ کرے دلجوئی
چٹی چادر لاہ سٹ کڑیے، پہن فقیراں لوئی
چٹی چادر داغ لگیسی، لوئی داغ نہ کوئی

(د)
تے توفاں ہور جموریاں چا پائیاں ڈنڈاں
تے بجکاں وِن گولیاں جیوں ساون پھنڈاں
تے پیا طوفان اِک موت دا سے ہوئیاں رنڈاں
تے ہندو جرم نہ ساڑ دے چا پھوکن جھنڈاں
تے مسلم مویا نہ دبیئے تد وچ گھمنڈاں
پر مرن بہادر جنگ تھیں نہ پھیرن کنڈاں

-2 دوجزاں دی تشریح سیاق وسباق دے حوالے نال کرو۔ صنف دا سرناواں تے لکھاری داناں وی لکھو۔ **15+15**

(الف) نُوری نُوں اِنج لگا جیویں کسے نے کیسے قبر وچ اوہنوں ٹکا یا ہووے، اوہنے ایہدے اَگے کجھ نہیں سُنیا۔ اوہدے ہونٹ کنب رہے سَن اوہنے جھیتی نال مُڑ کے اوہدی بانہہ پھڑ لئی.........اوہ نوری دا نوآں گوڈرھیاں دا بھراسی تے ایہہ پہلی واری سی جدوں اوہ مکان دی کچی کندھ نال لگ کے نہیں سی رو رہی۔ نوری رِکتاں ای چر آپنے اوس بھرا دے نال لگ کے روندی رہی رہی، پھیر اوہ اُٹھی بھرادی بانہہ پھڑ کے سکول وَل ٹر پئی تے اوہدا بھرا کجھ وی نہ سمجھ سکیا۔

(ب) فقیراں تے ونجاریاں دا وطن کوئی نہیں ہُندا۔ ایہہ دھرتی تے کھلرے ہوئے واورولے نیں۔ ایہناں دے پَیر پینڈے کنڈے رتو رت ہو جاندے نیں تے پینڈے ملے ہُندے جاندے نیں۔ کھلو جاناں ایہناں دے وس وچ نہیں۔ پتہ نہیں کیہڑا ازلی اُلیل اے انہاں نوں اگانہہ ای اگانہہ لئی جاندا اے۔ انت نوں ایہہ انجے ای ہف کے ڈگ پیندے نیں تے اگلیاں کچھیاں واٹاں ول وہندے ساہ دے دیندے نیں۔

(ج) بے بے جی بالو دی گل سُن کے جھیتی نال اُٹھ کھلو تے ''دھی؟ نی کیہدی دھی؟ ایہہ کیہدی دھی اے؟ ایہہ تیری بھتیجی نہیں؟'' اوہناں چیک مار کے پُچھیا جیویں بالو دے کن بولے ہون۔ رانی نوں بلدے بخار وچ بھنجے بہا کے بالو باہر نکل گئی تے سرداراں نے باورچی خانے وچوں نکل کے رانی نوں گودی وچ لے لیا تے بالو دے پچھے نکل گئی۔ اجے اوہ دہلیزتوں باہر نہیں سی ہوئی کہ بے بے جی دی آواز اوہدے کناں وچ پئی......''نس نس کے بالو دے گھر جاندی سی۔ مینوں رانی بڑی پیاری لگدی اے۔ ربا! کڑیاں دیاں شرماں رکھن والا توں ای ایں۔''

(د) بابا! جے توں واٹ سچی سدھی سَوَ لی سوکھی سائیں والیاں دی ملیں، تاں کدی نہ تھکریں تے کدیں نہ ٹھڑیں، پر ایہہ واٹ سائیں والیاں نال ملیاں، سچے ساتھ رلیاں سچیاں گلاں سُنیاں سچیاں دے آکھے لگ ٹریاں چلیاں لبھدی ہے۔ ایویں سکھالی ناہیں لبھدی تے ایہہ جو لوک ہور بھلے بھرمی ہوئے اپنی مجھی نال ٹھبکدے ڈولدے رولدے پھردے ہین، سے دُھردے لکھے نال گھتھیے ہوئے ہین تے گھنیاں بھکویاں دے مونہہ آئے ہوئے ہین۔

-3 افسانہ ''دھی'' یاں نظم ''سورج تے دھرتی'' دا بھرواں تنقیدی نوٹ لکھو۔ **20**

-4 کسے اک دی حیاتی تے فن اُتے لکھو۔ **10**

(i) شریف کنجاہی (ii) شاہ حسین (iii) ڈاکٹر شہباز ملک

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Punjabi **Paper: <u>(II)</u>** Course Code: PJB-401

Course Title: Punjabi-II

Time Allowed: 3:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt all questions.

---

1) تھلے دتے گئے سرناویاں وچوں کسے اک اتے بھرواں مضمون لکھو۔ (30)

i) بلھے شاہ دی حیاتی تے شاعری ii) کمپیوٹر اج دی لوڑ

iii) پنجابی لوک گیت iv) پنجابی زبان دی ضرورت تے اہمیت

2) الف) ڈرامے دیاں لوڑاں دا ویروا کرو۔ (10)

یا

نظم تے شعر توں کیہ مراد ہے؟ بحث کرو۔

ب) ہیٹھ دتے تنقیدی دبستاناں وچوں دو دا ویروا کرو۔ (10)

i) عمرانی تنقید ii) تاثراتی تنقید iii) سائنسی تنقید

3) ہیٹھ دتے گئے اکھاناں وچوں پنج دا مطلب تے ورتوں دسو۔ (15)

i) جیہدے گھر دانے اوہدے کملے وی سیانے ii) کر نہ کر اللہ توں ڈر

iii) ہوچھے جٹ کٹورا لبھا پانی پی پی آپھریا iv) اجڑیاں باگاں دے گالڑ پٹواری

v) خواجے دا گواہ ڈڈو vi) ملک ماہی دا وسے کوئی رووے تے کوئی ہسے

vii) اپنا مارے گا تے چھانویں سٹے گا viii) دکھ اتریا رب وسریا

ix) کھیتی کھسماں سیتی x) جنے منہ اونیاں گلاں

4) تھلے دتیاں صنفاں وچوں دو اتے نوٹ لکھو۔ (15)

i) نعت ii) مرثیہ iii) افسانہ

5) تھلے دتے پیراگراف دا پنجابی وچ ترجمہ کرو۔ (20)

زندگی کا ساز بے آواز ہے جو مسلسل بجتا رہتا ہے۔ دنیا کبھی ایک حالت پر نہیں رہتی کبھی سردی، کبھی گرمی، کبھی بہار، کبھی خزاں۔ انسانی زندگی کی بھی یہی کیفیت ہے کبھی خوشیوں کی بہار، کبھی غم کی خزاں رسیدہ یلغار۔ میری زندگی بے اعتدالیوں اور بے شمار گناہوں سے آلودہ ہے غفور الرحیم کی رحمت کا آسرا ہے اپنی اتنی ساری زندگی میں میں نے کبھی دانستہ طور پر کسی بڑے چھوٹے بہتر یا کمتر انسان بلکہ حیوان تک کا دل بھی نہیں دکھایا۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Punjabi **Paper: (Optional)** Course Code: PJB-421

Course Title: Punjabi

Time Allowed: 3:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt all questions.

نوٹ: تمام سوال حل کریں۔

1) تھلے دتے گئے شعری جزاں وچوں دو دی تشریح کرو۔ شاعر تے لکھت دا سرناواں وی لکھو۔ (3 + 3 + 9 = 15 * 30)

الف) اکھیاں وچ جیہا روپ سمایا تیرا
نظر جو کجھ وی اے آیا نظر آیا تیرا
جان تیری دی ہستی میری رگ رگ دا سرور
ساز ہستی دے سدا راگ سُنایا تیرا

ب) سنگل کٹے اوسے آن غلامی دے
جیون دا حق دتا سبھ مجبوراں نوں
اوسے دی اک جھات دے اکھر طالب نیں
دتیاں بخش زباناں جس نے روڑاں نوں

ج) سیاں دے ڈنگیاں ہویاں دا لبھ کیہدروں دارو جاندا سی
ہن تاراں اوہدی زلف دیاں بجلی دیاں تاراں ہو گیاں
نہیں حالت طاری شاخاں تے ایہ شاخاں پکھے کرن پیاں
تک میرے رشک بہاراں نوں بے ہوش بہاراں ہو گیاں

د) اک دی تھاں تے سو سو سدھراں اُگنیاں نیں
سدھراں نوں دفنان توں پہلاں سوچ لوو
آج انصاف دے معنے سبھ نوں آؤندے نیں
آج میزاں جھکان تو پہلاں سوچ لوو

2) تھلے دتے جزاں وچوں کسے دو دی تشریح کرو۔ سیاق وسباق دے نال نال کہانی داناں تے لکھت داعنوان وی لکھو۔ (3 + 3 + 9 = 15 * 30)

الف) تینوں تے میں ایہ کہنا اے جے میں پیار دی کندھ بیٹھ نہیں آئی۔ ایس حرصاں بھری دنیا دی اکھ دا شکار ہوئی آں۔ تے ایہدی ذمہ داری کسے تے وی نہیں آؤندی۔ ایس دنیا نوں جال بھلا کہنے کدی پایا اے۔

ب) پر کیہ کیتا جاوے پورا آوے دا آوا ای وگڑیا ہوا اے۔ ساڈی ساری قوم نوں جان دیاں بجھدیاں جے کاہل آ گے ٹوئے ہوندے نیں، بھاجڑ پئی ہوئی اے، ایس لئی اکثر سواریاں وی ڈرائیوراں نوں مجبور کردیاں نیں کہ اوہ ہوائی جہاز دی رفتار تے چلن۔

ج) لوڑاں دی بین روز گو کے پر دولت دا ناگ کسے طرح دی باؤ دے ٹیٹے نہ چڑھے۔ اخیر باؤ نے اک دیہاڑے بناں منتروں ناگ نوں ہتھ پالیا۔ ناگ نے وساہ کے ڈنگ ماریا۔ باؤ ڈھیہ پیا۔

تانگہ آ گیا کجھ یوں خالی، سجناں نوں قید بول گئی

د) گلی سنسان سی۔ کدی کدی بال ہسدا ہویا تیزی نال نسدا ہویا۔ تے کدی کوئی بڈھا کھنگدا ہویا ہولے ہولے اوہدے کولوں لنگھ جاندا۔ کجھ چرلئی ایہ خالی گلی ایہو جہیاں آوازاں نال وسدی تے پھیر اُجڑ جاندی۔ ایس گلی نوں وسدیاں تے اجڑدیاں کجھ گھڑیاں ہو گیاں سن پر حالی اوہ پر چھانواں نہیں سی آیا جیہدی رضیہ نوں اڈیک سی۔

3) کہانی ''چپ شاہ'' یا ''دل دا پر چھانواں'' وچوں کسے اک دا خلاصہ لکھو۔ (10)

4) نظم ''اج کی پکائیے'' یا ''پیار نے وین'' دا خلاصہ تے مرکزی خیال بیان کرو۔ (10)

5) تھلے دتے گئے اردو پیرے دا بامحاورہ پنجابی ترجمہ کرو۔ (20)

پاک پنجابی شاعری میں ہر پاکیزہ جذبے کی تان ابدی سچائی پر ٹوٹتی ہے اور زندگی کے ہر رخ اور سوچ کے ہر موڑ پر جہاں انسان بھل بھلیوں میں گم ہو سکتا ہے۔ یہ شاعری روشن چراغوں کی طرح سچائی اور ابدی حقیقت کا راستہ دکھاتی ہے۔ دکھ بھری انسانی زندگی اور رنج والم میں جھلستی ہوئی سوچوں کو اپنی ٹھنڈی چھاؤں میں سکھ اور آرام پہنچانے والی شاعری ہی اصل شاعری ہے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Political Science **Paper: <u>(I)</u>** Course Code: Pol-301

Course Title: Principle of Political Science

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

Q 1: Elaborate traditional methods of study of Political science

سوال نمبر ۱۔ علم سیاسیات کے مطالعہ کے روایتی طریقے بیان کریں۔

Q 2: Critically examine John Austin's theory of Sovereignty

سوال نمبر ۲۔ جان آسٹن کے نظریہ اقتدار اعلیٰ کا تنقیدی جائزہ لیں۔

Q 3: Define Liberty and describe different kinds of liberty

سوال نمبر ۳۔ آزادی کی تعریف کریں اور آزادی کی مختلف اقسام بیان کریں۔

Q 4: Write down merits of Democracy

سوال نمبر ۴۔ جمہوریت کی خوبیاں تحریر کریں۔

Q 5: Describe characteristics of Presidential form of government

سوال نمبر ۵۔ صدارتی طرز حکومت کی خصوصیات بیان کریں۔

Q 6: Describe basic conditions for success of Federation

سوال نمبر ۶۔ وفاق کی کامیابی کیلئے بنیادی شرائط بیان کریں۔

Q 7: Describe powers and functions of the Judiciary

سوال نمبر ۷۔ عدلیہ کے اختیارات و فرائض بیان کریں۔

Q 8: Explain the role of elected representative in an Islamic state

سوال نمبر ۸۔ اسلامی ریاست میں منتخب نمائندے کے کردار کی وضاحت کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Political Science **Paper: <u>(II)</u>** Course Code: Pol-401

Course Title: Govt & Politics in UK, USA, Switzerland and Pakistan

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FIVE questions. Attempt three questions form section I and Two questions form section II.*

SECTION I

Q.No.1. What is meant by dictatorship of cabinet in Britain. Explain the reasons of increasing its role and powers in British political system. (20)

برطانیہ میں کابینہ کی آمریت سے کیا مراد ہے؟ برطانوی سیاسی نظام میں کابینہ کے بڑھتے ہوئے اختیارات اور کردار کی وضاحت کریں۔

Q.No.2. Discuss the role of monarch in Britain. (20)

برطانیہ میں "بادشاہت" کے کردار کی وضاحت کریں۔

Q.No.3. "American senate is the most powerful legislative body in the world." Critically analyse the statement.(20)

"امریکی سینیٹ دنیا کا طاقتور ترین قانون ساز ادارہ ہے" بیان کا تنقیدی جائزہ لیں۔

Q.No.4. Describe the powers of American President. (20)

امریکی صدر کے اختیارات کی وضاحت کریں۔

Q.No.5. Explain the method of direct legislation in Switzerland. (20)

سوئٹزرلینڈ میں براہ راست قانون سازی کے طریقہ کار کی وضاحت کریں۔

SECTION II

Q.No.6. Describe the process of election of president in Pakistan. Elaborate the powers and functions of president in Pakistan according to constitution of 1973. (20)

پاکستان میں صدر کے انتخاب کے طریقہ کار کو بیان کریں۔ 1973 کے آئین کے تناظر میں صدر کے اختیارات کی وضاحت کریں۔

Q.No. 7. Explain the reasons of failure of constitution of 1962(20).

1962ء کے آئینِ پاکستان کی ناکامی کے اسباب تحریر کریں۔

Q.No.8. Elaborate the powers and functions of Supreme Court in Pakistan. (20)

پاکستان میں سپریم کورٹ کے اختیارات اور فرائض بیان کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA | | Annual 2017
Subject: Political Science | **Paper: <u>(Optional)</u>** | Course Code: Pol-421
Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 33%

Note:- *Attempt any FIVE questions. Attempt three questions form section A and Two questions from section B. All question carry equal marks.*

SECTION-A

Q.1.Write down scope of study of Political Science 20

1. علم سیاسیات کے مطالعہ کی وسعت تحریر کیجئے۔

Q.2.Differentiate between state and government. 20

2. ریاست اور حکومت میں فرق بیان کیجئے۔

Q.3.Define Law and describe the source of Islamic Law. 20

3. قانون کی تعریف کیجئے اور اسلامی قانون کے ماخذ بیان کیجئے۔

Q.4.Describe characteristics of unitary form of Government. 20

4. واحدانی نظام حکومت کی خصوصیات بیان کیجئے۔

Q.5Define Liberty and describe different kinds of Liberty . 20

5. آزادی کی تعریف کیجئے اور آزادی کی مختلف اقسام بیان کیجئے۔

SECTION-B

Q.6.Describe powers and functions of Prime Minister
under 1973 constitution of Pakistan 20

6. 1973 کے آئین پاکستان کے تحت وزیراعظم کے اختیارات اور فرائض بیان کیجئے۔

Q.7.Describe power and functions of Provincial Assembly
under 1973 constitution of Pakistan. 20

7. 1973 کے آئین پاکستان کے تحت صوبائی اسمبلی کے اختیارات اور فرائض بیان کیجئے۔

Q.8..Write note on any two of the following. 2x10

a.Speaker National Assembly

b.Provincial Governor

c.Chief Election Commissioner

8. مندرجہ ذیل میں سے کسی دو پر نوٹ تحریر کیجئے۔

ا۔ سپیکر قومی اسمبلی

ب۔ صوبائی گورنر

ج۔ چیف الیکشن کمشنر

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Persian-I **Paper: (I)** Course Code: PER-301

Course Title: Prose

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt all questions.*

سوال 1: کسی ایک اقتباس کا با محاورہ اردو ترجمہ لکھیے: 20

(الف) داؤد از این جملۂ آخر چیز زیادی دستگیرش نشد و مقصود آن را نفهمید۔ اما چنین انتظاری را هم نداشت۔ مدتها بود که هیچ زنی با او حرف نزده بود۔ دید این زن خوشگل است۔ عرق سر داز تنش سرازیر شده بود۔ بزحمت گفت: ''نه خانم هوشنگ نیستم اسم من داؤد است''۔ آن زن بالبخند جواب داد: ''من که شارا فهمی نیستم چشمهایم دردی کند آهان داؤد..... داؤد قوز''..... (نعش را گزید) میدیدم که صدا بگوشم آشنا میاید۔ ''مفهم زبیده هستم مرا ای شناسید''؟

(ب) باید که بہمہ اطراف ہمیشہ جاسوسان روند بر سبیل بازرگانان و سیاحان و صوفیان و دارو فروشان و درویشان و از هر چه می شنوند، خبری آورند تا هیچ گونه از احوال چیزی پوشیده نماند و اگر چیزی حادث شود و تازہ گردد، بوقت خویش تدارک آن کردہ آید: چه بسیار وقت بودست که والیان و مقطعان و گماشتگان و امراء سر عصیان و مخالفت داشته اند و بر پادشاه بد سگالیدند و چون جاسوس برسید و پادشاه را خبر داد، در وقت پادشاه برنشسته است و تاختن برده و مفاجا بر سر ایشان فرود شده است و گرفته و عزم ایشان باطل کرده و از حال رعایا همچنین چیز با خبر داده اند از خیر و شر و پادشاهان تیمار آن داشته اند۔

سوال 2: مندرجہ ذیل کسی ایک اقتباس کا سلیس اردو ترجمہ کیجیے: 20

(الف) خواستم از چگونگی مزاج قرین الابتهاج استفسار کنم و عبارت های را که در راه ساخته و پرداخته بودم بزبان بیاورم، میسر نشد یعنی دو سه مرتبه سر و گردن افراشتم و دهان باز کردم ولی صدای از سینه ام بیرون نیامد۔ بار اول گلویم گرفت، بار دوم خجالت کشیدم۔ دفعه سوم اتفاقا یکی از حضار با من همصدا شد و من سخن را باو واگزاشتم۔ پس از اندکی، مقصود از شرفیابی فراموشم شد۔ از اظهار خلوص منصرف گشتم و خود را تنها تصور کردم۔ چنان بنظرم آمد که در تاریکی نشسته ام و جمعی را در روشنائی تماشا میکنم۔ هر چه متوالستم کوچک شدم و از توجه انظار خود را پنهان کردم۔ با دلی پر از وجه شعف بچه ای که در بازیخانه جا گرفته باشد، محو تماشا شدم۔

(ب) در سیر اکابر سلف مطالعه افتاده است که در از منه ماضیه عفت را یکی از خصایل اربعه شمرده اند و در حد آن فرموده اند: عفت عبارتست از پاکدامنی و لفظ عفیف بر آنکس اطلاق کردندی که چشم از دیدن نامحرم و گوش از شنیدن غیبت و دست از تصرف در مال دیگران و زبان از گفتار فاحش و نفس از ناشایست باز داشتی۔ چنین کس را عزیز داشتندی و مدح گفتندی و آنکه شاعر گفته:

بر همه خلق سرافراز بود که چو سرو
پاک دامن بود و راستر و کوته دست

مصدق این معنیست منصور حلاج را چون بر دار کردند، گفت: ''در کوچکی بر شارعی میگزشتم، آواز زنی از بام شنیدم۔ از بهر نظاره او بالا نگریستم۔ اکنون از دار بزیر نگریستن کفارت آن بالا نگریستن میدانم۔

سوال 3: کسی ایک اقتباس کا با محاورہ اردو ترجمہ کیجیے: 20

(الف) فرزند عالی جاه! باظهار جاسوسان معلوم شد که شاهراه از بهادر پور تا نجسته بنیاد خالی از مخاطره نیست۔ قطاع الطریقان مال ''بیوپاریان'' و مسافرین بغارت می برند و متردّدین بافیت نمی توانند آمد و رفت نمود۔ هرگاه در قرب لشکر ما دشاء این حالی بوده باشد وای بر حال طرق دور دست۔ معلوم می شود که مُنهیان اخبار معتبر بآن فرزند خبر ساندند از آنجا که غفلت و بی پروائی خلاف طریق سیاست و جهانبانی است کاجان جدید تعیین نمایند و عمله و فعله پیشین رامسر ارسانند و فوجی مستعد مقرر سازند که باستیصال مفسدان از بیخ و بن کرده شاهراه از جماعه حرامیان پاک سازند۔ تنگ بدعملی تا کی گوارا توان کرد۔

(ب) باید که بسیار نگوید چه بسیار گفتن نشانه خفت دماغ و سخافت عقل و موجب سقوط مهابت و قلت وقع باشد و عائشه صدیقه رضی الله عنها میفرماید که حضرت مصطفیٰ ﷺ سخن باعتدال فرمودی، بمرتبه ای که در مجلسی که متمادی شدی، کلماتی که بزبان حقایق ترجمان آنحضرت جاری شدی، توانستی شمرد۔ ابوذر جمهر گفته: ''چون کسی را بینی که بی حاجت سخن بسیار میگوید، یقین دان که دیوانه است'' و تا آنچه خواهد گفت، در خاطر مقرر نکند، به تلفظ نیاورد۔ حکماء گفته اند: ''سخن مکرر نگوید مگر آنکه احتیاجی بآن واقع شود و آن هنگام باید که از تکرار تنگ نیاید''۔

سوال 4: میر محمد حجازی یا نظام الملک طوسی میں سے کسی ایک پر تفصیلی نوٹ لکھیے۔ 20

سوال 5: کسی ایک اقتباس کا فارسی میں ترجمہ کریں: 20

(الف) مطیع الدولہ محمد حجازی ۱۹۰۰ء میں بمقام تہران پیدا ہوئے۔ ان کے والد سید نصر اللہ ایک فاضل شخص تھے۔ عربی و فارسی و فرانسیسی زبانوں پر ان کو کافی عبور حاصل تھا۔ ان کا شمار حکومت کے بااثر اور مقتدر اشخاص میں ہوتا تھا۔ حجازی کی والدہ ہما خانم بھی ایک معزز خاندان سے تعلق رکھتی تھیں۔ سید نصر اللہ کے چھ بچے تھے۔ چار بیٹے اور دو بیٹیاں، حجازی ان میں سب سے بڑے تھے۔ محمد حجازی نے ابتدائی تعلیم اپنے والد بزرگوار سے حاصل کی۔ بارہ سال کی عمر تک تو مدرسہ ہدایت میں پڑھے۔ اس کے بعد تہران کے کیتھولک سکول میں تعلیم کا سلسلہ جاری رکھا۔ ۱۸ سال کی عمر میں فارغ التحصیل ہوئے اور ۱۹۲۰ء میں آپ ڈاک اور تار کے محکمہ میں ملازم ہو گئے۔

(ب) کتاب کا اسلوب بیان ادیبانہ اور فاضلانہ ہے۔ مصنف بے تکان عربی کے الفاظ استعمال کیے جاتے ہیں۔ کہیں کہیں نامانوس اور مشکل الفاظ بھی آگئے ہیں۔ عربی عبارات کے آجانے سے کتاب کا علمی معیار بلند ہو گیا ہے۔ اس لیے ایک فاضل شخص ہی اس کے مطالب سے استفادہ کر سکتا ہے۔ صرف فلسفیانہ مباحث کے موقع پر عبارت پیچیدہ اور دشوار ہو گئی ہے۔ لامع دوم و سوم یعنی تدبیر منزل اور سیاست مدن کی نثر مقابلتاً آسان ہے۔ اگرچہ کہیں کہیں سجع و موازنہ کو استعمال کیا گیا ہے۔ لیکن حشو و زوائد اور مترادفات بہت کم ہیں۔ جملے بھی طویل نہیں۔ تاریخ جہاں کشا جوینی یا تاریخ وصاف کی طرح اس کی نثر متکلفانہ اور مصنوع نہیں۔ یقیناً فصیح نثر کے نمونے موجود ہیں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Persian-II **Paper: <u>(II)</u>** Course Code: PER-401

Course Title: Poetry

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: *Attempt all questions.*

سوال نمبر:1 مندرجہ ذیل شعری اجزاء میں سے کسی ایک کا اردو ترجمہ وتشریح کریں۔ (20)

(الف) بسیار سفر باید تا پختہ شود خامی — صوفی نشود صافی تا درنکشد جامی

گر پیر منا جاتست در رند خراباتی — ہرکس قلمی رفتست بروی بسر انجامی

فردا کہ خلائق را دیوان جزا باشد — ہر کس عملی دارد من گوش بانعامی

(ب) یوسف گم گشتہ باز آید بکنعان غم مخور — کلبہ احزان شود روزی گلستان غم مخور

ای دل غم دیدہ حالت بہ شوود دل بد مکن — وین سر شوریدہ باز آید بہ سامان غم مخور

گر بہار عمر باشد باز بر تخت چمن — چتر گل درسر کشی ای مرغ خوشخوان غم مخور

سوال نمبر:2 مندرجہ ذیل میں سے کسی ایک شعری جزو کا اردو ترجمہ وتشریح کریں۔ (20)

(الف) محمل بدار ای سا ربان! تندی مکن باکاروان — کز عشق آن سرو روان گوئی روانم می رود

او می رود دامن کشان، من زہر تنہائی چشان — دیگر مپرس ازمن نشان کز دل نشانم می رود

برگشت یار سرکشم بگذاشت عیش ناخوشم — چون مجمری پر آتشم، کز سر دخانم می رود

(ب) رسید مژدہ کہ ایام غم نخواھد ماند — چنان نماند چنین نیزھم نخواھد ماند

من ارچہ درنظر یار خاکسار شدم — رقیب نیز چنین محترم نخواھد ماند

چو پردہ دار بشمشیر می زند ھمہ را — کسی مقیم حریم حرم نخواھد ماند

سوال نمبر:3 مندرجہ ذیل میں سے کسی ایک جزو کا اردو ترجمہ وتشریح کریں۔ (20)

(الف) مثل آئینہ مشو محو جمال دگران — از دل ودیدہ فرو شوی خیال دگران

آتش از نالہ مرغان حرم گیر وبسوز — آشیانی کہ نہادی بہ نہال دگران

درجہان بال وپر خویش گشودن آموز — کہ پریدن نتوان با پر و بال دگران

(ب) چہ سبب سوی خراسان شدنم نگذارند — عندلیبم بہ گلستان شدنم نگذارند

نیست بتان خراسان را چومن مرغی — مرغم آوخ سوی بستان شدنم نگذارند

گنج درھا نتوان برد بہ بازار عراق — گر بہ بازار خراسان شدنم نگذارند

سوال نمبر:4 کسی ایک شاعر کی زندگی اور اسلوب نگارش پر مفصل نوٹ لکھیے۔ (20)

(الف) سعدی شیرازی (ب) نظیری نیشاپوری (ج) علامہ محمد اقبال

سوال نمبر:5 مندرجہ ذیل میں سے کسی ایک نظم کا مرکزی خیال تحریر کیجیے۔ (10)

(الف) ضعیف ھمیشہ محکوم قوی است (ب) اشک یتیم

سوال نمبر:6 مندرجہ ذیل میں سے کسی دو کی شعری مثالوں سے وضاحت کیجیے۔ (10)

(الف) تلمیح (ب) تشبیہ (ج) تضاد (د) استعارہ (ہ) ایہام

(الف) شیخ سعدی کے حالات زندگی لکھیے۔ (ب) پیام مشرق پر نوٹ لکھیے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA — Annual 2017

Subject: Persian — **Paper: (Optional)** — Course Code: PER-421

Course Title: Persian

Time Allowed: 03:00 Hours — Maximum Marks: 100 — Pass Marks: 33%

Note: *Attempt all questions.*

سوال۱: کسی ایک اقتباس کا اردو میں ترجمہ کریں۔ ۲۵

(الف) فی الحمله مقبول نظر سلطان آمد که جمال صوت و معنی داشت۔ و خردمندان گفته اند: "تو نگری به هنر است نه به مال، و بزرگی به عقل است نه به سال۔" ابنای جنس او بر منصب او حسد بردند و به خیانتی متهم کردند؛ و در کشتن او سعی بیفایده نمودند۔ دشمن چه کند چو مهربان باشد دوست۔

(ب) یکی از ملوك خراسان، محمود سبکتگین را به خواب چنان دید که جمله وجود او ریخته بود و خاك شده، مگر چشمان او که همچنان در چشم خانه همی گردید و نظر همی کرد سایر حکما از تاویل این فرو ماندند مگر درویشی که به جای آورد و گفت: "هنوز نگران است که ملکش با دگران است۔"

سوال۲: درج ذیل اقتباسات میں سے کسی ایک کا اردو میں ترجمہ کریں۔ ۲۰

(الف) پادشاهی را شنیدم که به کشتن اسیری اشارت کرد، بیچاره در آن حالت نومیدی، ملك را دشنام دادن گرفت و سقط گفتن که گفته اند: "هر که دست از جان بشوید، هر چه در دل دارد بگوید۔"

(ب) و حکما گویند: "چهار کس از چهار کس برنجند: حرامی از سلطان، دزد از پاسبان، فاسق از غماز و روسپی از محتسب"، و آن را که حساب پاك است، از محاسبه چه باك است؟"۔

سوال۳: درج ذیل اقتباسات میں سے کسی ایک کا اردو میں ترجمہ کریں۔ ۲۵

(الف)

خیز که در باغ و راغ قافله گل رسید

باد بهاران وزید — مرغ نوا آفرید

لاله گریبان درید — حسن، گل تازه چید

عشق، غم نو خرید

خیز که در باغ و راغ قافلهٔ گل رسید

(ب)

دلکش و زیباستی — شاهد رعناستی

روکش حوراستی — غیرت لیلاستی

دختر صحراستی

تیز ترک گام زن، منزل ما دور نیست

سوال۴: کسی ایک اقتباس کا اردو میں ترجمہ کریں۔ ۲۰

(الف)

گرمی کار زار ها — خامی پخته کارها

تاج و سریر و دارها — خواری شهر یارها

بازی روزگارها، می نگریم و می رویم

(ب)

هستی ما، نظام ما — مستی ما، خرام ما

گردش بی مقام ما — زندگی دوام ما

دور فلك به کام ما، می نگریم و می رویم

سوال۵: درج ذیل سوالات میں سے کسی ایک سوال کا جواب لکھیے۔ ۱۰

(الف) شیخ سعدی کے حالات زندگی لکھیے۔ (ب) پیام مشرق پر نوٹ لکھیے۔



MODEL PAPER
Government College University Faisalabad

BSc part-1

Paper A: MECHANICS Examination 2017 Total Marks; 35

Time allowed: 3.0 h passing marks 33%

Note: Attempt any **FIVE** questions from the following. All questions carry equal marks.

Q. No.1:

(a) Prove that, $\vec{A}\cdot(\vec{A}\times\vec{C}) = 0.$ **(3 Marks)**

(b) If, $\vec{A} = x^2z\hat{\imath} - 2y^3z^2\hat{\jmath} + xy^2z\hat{k}$, Then find Divergence of $\vec{A}$ at a point **(3,-2,1).** **(4 Marks)**

Q. No.2:

(a) Define non-constant forces and explain its different types with suitable examples. **(4 Marks)**

(b) The position of a particle of mass ***2.17 kg*** travelling in a straight line is given by;

$$x = 0.179\,t^4 - 2.08\,t^2 + 17.1$$

Find the velocity, acceleration and force on the particle at time ***t= 7.18 sec***. **(3 Marks)**

Q. No.3:

(a) For Banked curve, prove that; $\text{Tan}\,\theta = v^2/Rg.$ **(4 Marks)**

(b) A child places a picnic basket on the outer rim of a merry-go-round that has a radius of **4.6 m** and revolves once every **24sec**. How large must the coefficient of static friction be for the basket to stay on the merry-go-round? **(2 Marks)**

(c) Why is it that racing drivers actually speed up when traversing a curve? **(1 Mark)**

Q. No.4:

(a) What is the kinetic energy of a body? Explain work energy theorem by showing, **(5 Marks)**

$$W_{net} = \tfrac{1}{2} mv^2_f - \tfrac{1}{2} mv^2_i$$

(b) Does work energy theorem hold if friction acts on an object? Explain your answer. **(2 Marks)**

Q. No.5:

(a) A solid Hoop of mass (M) and radius (R) starts from rest and rolls without slipping down on an inclined plane of length (L) and height (h). Find its acceleration, speed of its centre of mass and the force of static friction needed for rolling of this hoop. **(4 Marks)**

(b) A top is spinning at **28.6 rev/s** about an axis making an angle of **34^o** with the vertical, its mass is **492 gm** and its rotational inertia is **5.12×10^{-4} kg.m^2**. The centre of mass is **3.88** cm from the pivot point. The spin is clock wise as seen from above. Find the magnitude in **(rev/s)** of the angular velocity of precession. **(2 Marks)**

(c) Why we don't ordinarily notice the gravitational force between objects around us? **(1 Mark)**

Q. No.6:

(a) State & prove Kepler's Law of Periods. **(3 Marks)**

(b) If the force of gravity acts on all bodies in proportion to their masses, why does a heavy body not fall correspondingly faster than a lighter body? **(2 Marks)**

(c) The escape velocity for the moon is **2.38 km/s**. If the radius of moon is **1.74×10^6 m**, then calculate the mass of the moon. **(2 Marks)**

Q. No.7:

(a) Explain briefly stress, strain, tension and compression. **(4 Marks)**

(b) A structural steel rod has a radius of **8.6mm** and length of **79cm**. A force of **5.9×10^4 N** stretches it axially. What is the stress in the rod? Find also elongation of the rod under this load. **(3 Marks)**

Q. No.8:

(a) Discuss relativity of time (Time Dilation) in detail based on Einstein's special theory of relativity. **(3 Marks)**

(b) Calculate the K.E of an electron moving with a velocity of 0.98c in the laboratory system. **(3 Marks)**

(c) If the speed of a photon is "c" in one frame of reference, can it would be found at rest in any other frame? Comment. **(1 Mark)**

MODEL PAPER
Government College University Faisalabad



BSc part-1

Paper B : Waves & Oscillations, Optics and Thermodynamics
Examination 2017 Total Marks: 35
Time allowed: 3.0 h passing marks 33%

Note: Attempt any five questions. All question carry equal marks.

Q. 1 (a) Show that the motion of mass-attached to a spring is simple harmonic motion 4
(b) A block–spring system oscillates with an amplitude of 3.50 cm. If the spring constant is 250 N/m and the mass of the block is 0.500 kg, determine (a) the mechanical energy of the system, (b) the maximum speed of the block, and (c) the maximum acceleration 3
Q. 2 (a) What happens to the period of a simple pendulum if the pendulum's length is doubled? What happens to the period if the mass of the suspended bob is doubled? 2
(b) Define resonance and give few examples of resonance 3
(c) can two pulses travelling in opposite directions on the same string reflect from each other? Explain. 2
Q. 3 (a) Derive the equation for wave speed 4
(b) Assume a wire has a mass of 4.00g and a length of 1.60m, and that a 3.00-kg object is suspended from it. A pulse requires 36.1ms to traverse the length of the wire. Calculate tension in wire 3
Q. 4 (a) Explain the Doppler Effect 4
(b) Standing at a crosswalk, you hear a frequency of 560Hz from the siren of an approaching ambulance. After
the ambulance passes, the observed frequency of the siren is 480Hz. Determine the ambulance's speed from these observations 3
Q. 5 (a) Discuss various energy transfer mechanisms in materials and also give one example for each energy transfer process. 4
(b) The temperature of a silver bar rises by 10.0°C when it absorbs 1.23 kJ of energy by heat. The mass of the bar is 525 g. Determine the specific heat of silver. 3
Q. 6 (a) Define 2nd law of thermodynamics also explain reversible and irreversible processes. 4
(b) A heat engine performs 200 J of work in each cycle and has an efficiency of 30.0%. For each cycle, how much energy is (a) taken in and (b) expelled by heat? 3
Q. 7 (a) What is Michelson interferometer, describe its construction and discuss its appilication in Michelson-Mosley Experiment. 5
(b) Could the Young two-slit interference experiment be performed with ganuna rays? If not, why not? If so, discuss differences in the experimental design compared to the experiment with visible light. 2
Q. 8 (a) Define Diffraction and explain Diffraction pattern with the help of Huygen,s principle. 4
(b) Monochromatic light is at normal incidence on a plane transmission grating. The first-order maxhnum in the interference pattern is at an angle of 8.94°. What is the angular position of the fourth-order maximum? 3

MODEL PAPER
Government College University Faisalabad

BSc part-II

Paper A: Electricity and Magnetism Examination 2017 Total Marks: 35
Time allowed: 3.0 h passing marks 33%

Note: Attempt five questions in all .All questions carry equal marks

1. a) Define an ELECTRIC DIPOLE and drive expression for (1)Torque acting on it (2) Its potential when placed in uniform electric field (4)
b.) Find the work required to turn an electric dipole end by end in uniform electric field E in terms of the magnitude P of dipole moment, the magnitude E of the field and initial angel Θ between P and E? (2)
c.) For what orientation of an electric dipole in a uniform electric field is the P.E. of the dipole (1)
   I. The greatest
   II. The least??

2. Write notes of any TWO of following? (3.5, 3.5)
   I. Distribution of molecular speeds II. Capacitor with dielectric III. Ferromagnetism and hysteresis
   IV. Electromagnetic wave spectrum

3. a) Discuss the growth of current on RC series circuit? (4)
b.)A resistor R=6.2MΩ and capacitor C=2.4μF are connected across the combination .what is the capacitive time constant of the circuit? (2)
c.) Explain why the resistance of the voltmeter should be very large as compared to the resistance across which p.d.is to be measured? (1)

4.a) Two long parallel wires carrying currents I_1 and I_2 separated by the distance d apart are lying in the magnetic field of each other .find the magnitude of magnetic force experience by each other. (4)
b.) A solenoid of certain diameter is 3.14m long .it has 5 layers of windings of 850 turns each and carries a current of 5A. What is B at its center? (2)
c.)Relate permittivity and permeability of free space with the velocity of electromagnetic radiation and hence calculate this velocity? (1)

5.a) State Lenz's law. Show that Lenz law is in accordance with the law of conservation of energy? (4)
b.)The amerture of motor has 97 turns of area 190cm^2 and rotates in uniform magnetic field of 0.33T. A pd of 24V is applied. If no load is attached and friction is neglected. Find the rotational speed at equilibrium. (2)
c.) Is any emf induced in long solenoid by a bar magnet that moves inside it along the solenoid axis? (1)

6.a) Define current density? States ohms law and drive its microscopic form in terms of current density and electric field intensity? (4)
b.) A current of 5 A exists in 10Ω resistor for 5 min. how many electrons pass through any cross section of the resistor in this time? (2)
c.) Is the filament resistance lower or higher in a 500W light bulb than in a 100W bulb when both are designed to operate at 220V? (1)

7.a) State Gauss's law and apply it to find electric field near an infinite sheet of charge? (4)
b.) A point charge of 1.84μC is at the center of a cubical Gaussian surface 55am on edge. Find the flux passing through the surface. (2)
c.) A surface encloses two equal and opposite charges .what can you say about the electric flux for the surface (1)

8.a)Define and explain motional EMF and derive expression for it? (4)
b.) Earth magnetic field of magnitude 42μT points towards at 57 ° to the vertical. Calculate the flux through the horizontal surface of area 2.5m^2 (2)
c.) Can a charged particle at rest b set in motion by action of magnetic field?(1)

MODEL PAPER



Government College University Faisalabad

BSc part-II

Paper B: Modern physics and Electronics Examination 2017 Total Marks: 35

Time allowed: 3.0 h passing marks 33%

Note: Attempt any five questions. All question carry equal marks.

Q. No. 1(a) What is PN junction? Discuss its depletion region and direction of junction voltage. (4)

(b) The Fermi energy of copper is 7.0 eV. Is the corresponding Fermi speed 1600 km/s. (2)

(c) Pure silicon at room temperature has an electron number density in the conduction band of about $5\times10^{15}m^{-3}$ and an equal density of holes in the valence band. Suppose that one of every 10^7 silicon atoms is replaced by a phosphorus atom. Which type will the doped semiconductor be, n or p? (1)

Q. No. 2(a) What is amplifier? Describe transistor as an amplifier for common emitter mode. (4)

(b) What is the effect of temperature on the electrical resistivity of semiconductor? (2)

(c) Draw the truth table of two inputs NAND gate. (1)

Q. No. 3(a) What is Compton effect? Describe its experimental arrangement and derive the relation for Compton's shift. (4)

(b) Find the maximum kinetic energy of electrons ejected from a certain material if the material's work function is 2.3 eV and the frequency of incident radiation is 3.0×10^{15} Hz. (3)

Q. No. 4 (a) Discuss De Broglie hypothesis about dual nature of radiations and matter. (5)

(b) What is the De Broglie wavelength of an electron with kinetic energy of 120 eV? (2)

Q. No. 5(a) What is LASER? Explain the working of He-Ne LASER. (3)

(b) Differentiate between excitation and ionization of an atom. (2)

(c) How fast must an electron move to have a kinetic energy equal to the photon energy of sodium light at wavelength 590 nm? (2)

Q. No. 6(a) Explain the terms (i) Wave function (ii) Probability density (5)

(b) An electron is confined to a one-dimensional, infinitely deep potential energy well of width **l** =100 pm. What is the smallest amount of energy the electron can have? (2)

Q. No. 7(a) What are X-rays? How K_α and K_β are produced? (5)

(b) Through what minimum potential difference must an electron in an x-ray tube be accelerated so that it can produce x rays with a wavelength of 0.100 nm? (2)

Q. No. 8 (a) Explain fusion reaction and thermonuclear fusion with examples. (5)

(b) If we split a nucleus into two smaller nuclei, with a release of energy, has the average binding energy per nucleon increased or decreased? (1)

(c) The half-life of a radioactive isotope is 140 days. How many days would it take for the decay rate of a sample of this isotope to fall to one-fourth of its initial value? (1)

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017

Subject: Mathematics General Paper: (I) Course Code: MTH-303

Course Code: Calculus (Differntial, Integral, Infinite Series and Calculus)

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt Six questions in all, selecting two questions from section I & II each and One question from III & IV.

SECTION (i)

Q.1 (a) Show that $\lim_{x\to 0}\frac{\cos x-1}{x}=0$ (9,8)

(b)Examine whether the given function is continuous or not at x=0

$$f(x)=\begin{cases}\frac{\sin 3x}{\sin 2x} & if\ x\neq 0\\ \frac{2}{3} & if x=0\end{cases}$$

Q.2 (a) if x>0, prove that : $x-\ln(1+x)>\frac{x^2}{2(1+x)}$ (9,8)

(b) if y=$\tan^{-1}x$, show that : $(1+x^2)y''+2xy'=0$, Hence find the value of y^n when x=0

Q.3 (a) A boy makes a paper cup in the shape of right circular cone with height four (9,8) times its radius if radius is changed from 2 cm to 1.5 cm but height remains four times the radius, find the approximate decrease in the capacity of cup.

(b) A stone is dropped in a still lake causing circular ripples to spread over the surface. If the radius of the circle increases at the rate of 0.5 meter per second, how fast is the area of ripple increasing when the radius of ripple is 20 meters?

Q.4 (a) Find equation of asymptotes of a curve $r=2a\sin\theta\tan\theta$ (9,8)

(b) Prove that radius of curvature at the point (2a,2a) on the curve $x^2y=a(x^2+y^2)$ is 2a

SECTION(ii)

Q.5 (a) Evaluate $\int x\sin^{-1}x\ dx$ (9,8)

(b) Integrate w.r.t. x $\frac{1}{4\sin x-3\cos x}$

P.T.O

Q.6 (a) Calculate $\int_0^{\pi/2} \ln(\sin x)dx$ (9,8)

(b) Use any numerical integration method to compute $\int_0^2 \frac{1}{\sqrt{1+x^2}}dx$ with n=4

Q.7 (a) Find area of surface generated by revolving the curve $y = x^3, 0 \le x \le 1/2$ about x-axis (9,8)

(b) Find the area of a region included within cardioid $r = a(1 - \sin\theta)$

Q.8(a) Find the length of a curve $r = \sin^2\left(\frac{\theta}{2}\right)$ from (0,0) to $(1,\pi)$. (9,8)

(b) Sketch the graph $r = 3 + 2\sin\theta$ (limacon)

SECTION (iii)

Q.9 (a) Determine whether the sequence $\sqrt{n}(\sqrt{n+1} - \sqrt{n})$ converges or diverges. (8,8)

(b) Use comparison test to check the series $\sum_1^\infty \frac{1}{n^{1/2}+n^{3/2}}$ converges or diverges.

Q.10 (a) Apply ratio test to determine whether the series $\sum_1^\infty \frac{n}{n^2+1}$ converges or diverges. (8,8)

(b) Obtain the power series representation of $\frac{x}{(1+x^2)^2}$ if $|x| < 1$

SECTION(iv)

Q.11 (a)Find a such that the function $f(x) = \begin{cases} \frac{3xy}{\sqrt{x^2+y^2}} & if\ (x,y) \neq (0,0) \\ a & if\ (x,y) = 0 \end{cases}$ is continuous at (0,0) (8,8)

(b) Let $f(x,y,z) = x^3 + 3yz + \sin xyz$. Prove that $f_{xyz} = f_{zxy}$

Q.12 (a) Use differentials to estimate the value of $\sin 44^0$ and $\tan 44^0$ (8,8)

(b) Find extrema of $f(x,y) = x^2 - e^{y^2}$

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-II) Annual 2017

Subject: Mathematics General Paper: (II) Course Code: MTH-403

Course Code: Mathematical Method (Geometry, Complex Number, Vector, Linear Algebra and Differential Equations.

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt Six questions in all, selecting two questions from section I & IV each and One question from II & III.

SECTION – I

Q1:a). If CP and CD are semi-conjugate diamet[illegible] f an ellipse with centre at C , show tha[illegible]centric angles o[illegible] differ by a right angle. **(9, 8)**

b). Show that an equation of the rectangular hyperbola [illegible] referred to its asymptotes as axes is $x'y' = -1/2$.

Q2: a). Find measure of angle of intersection of the curves $r = \cos 2\theta$ and $r = \sin\theta$ at $\left(\frac{1}{2}, \frac{\pi}{6}\right)$. **(9, 8)**

b). Show that pedal equation of the asteroid $x = a\cos^3\theta, y = a\sin^3\theta$ is $r^2 = a^2 - 3p^2$.

Q3: a). If $\underline{a} = t\,i - 3j + 2t\,k$, $\underline{b} = i - 2j + 2k$, $\underline{c} = 3i + tj - k$, then evaluate $\int_1^2 \underline{a}.\underline{b}\times\underline{c}\,dt$ **(9, 8)**

b). Establish the identity $\underline{a} = \frac{1}{2}\left[i\times(\underline{a}\times i) + j\times(\underline{a}\times j) + k\times(\underline{a}\times k)\right]$

Q4: a). Show that $\text{div}\frac{r}{r^3} = 0$. **(9, 8)**

b). Find the scalar function φ when $\nabla\varphi = (y^2 - 2xyz^3)i + (3 + 2xy - x^2z^3)j + (6z^{[illegible]} - 3x^{[illegible]}yz^{[illegible]})k$

SECTION – II

Q5: a). Find an equation of a straight line through the point $A(11, 4, -6)$ and intersecting at right angles to the straight line $\frac{x}{-1} = \frac{y-1}{1} = \frac{z}{-2}$ **(9, 8)**

b). Find an equation of the plane passing through the point $(2, -3, 1)$ and containing the line $x - 3 = 2y = 3z - 1$.

Q6: a). Find an equation of the sphere passing through the points $(0, -2, -4)$ and $(2, -1, -1)$ and having its centre on the line $2x - 3y = 0 = 5y + 2z$. **(9, 8)**

b). Find spherical coordinates of the point whose rectangular coordinates are $(-\sqrt{3}, 1, -2)$.

P.T.O

Q7: a). Show that $\sec^{-1} z = \frac{1}{i} \log\left(\frac{1+\sqrt{1-z^2}}{z}\right)$. **(9, 8)**

b). If $\sin(\theta + i\varphi) = \cos\alpha + i\sin\alpha$, prove that $\cos^2\theta = \pm\sin\alpha$.

Q8: a). Prove that $64(\cos^8\theta + \sin^8\theta) = \cos 8\theta + 24\cos 4\theta + 35$. **(9, 8)**

b). Find direction of Qibla at Quetta
Latitude $\varphi = 30^\circ\, 15'$ N   Longitude $\lambda = 67^\circ\, 0'$ E.

SECTION – III

Q9: a). If A is a matrix over R and $AA' = O$, show that $A = O$. **(8, 8)**

b). Solve the system of equations by Gauss- Jordon method.
$5x - 2y + z = 2,\ 3x + 2y + 7z = 3,\ x + y + 3z = 2$

Q10: a). Prove that **(8, 8)**

$$\begin{vmatrix} (b+c)^2 & a^2 & a^2 \\ b^2 & (c+a)^2 & b^2 \\ c^2 & c^2 & (a+b)^2 \end{vmatrix} = 2abc(a+b+c)^2$$

b). Express the vector (2, - 5, 3) in R^3 as a linear combination of the vectors $(1, -3, 2), (2, -4, -1)$ and $(1, -5, 7)$.

SECTION – IV

Q:11 a). Solve the initial value problem $\frac{dy}{dx} + \frac{y}{2x} = \frac{x}{y^3}$ $y(1) = 2$ **(8, 8)**

b). Solve the differential equation $y\,dy + x\,dx = \sqrt{x^2 + y^2}\,dx$

Q12: a). Solve $2y'' + y' + y = x^2 + 3\sin x$. **(8, 8)**

b). Solve $x^2 y'' - 3xy' + 5y = x^2 \sin(\ln x)$.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/BSc (Part-I) Annual 2017

Subject: Library Science **Paper: (I)** Course Code: LBS-301

Course Title: Library Science-I

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note: Attempt any FIVE questions. All question Carry equal marks.

نوٹ: مندرجہ ذیل میں سے کوئی سے پانچ سوال حل کریں تمام سوالات کے نمبر یکساں ہیں

Q-1 Libraries have various sections. Describe acqusition section in detail? 15

لائبریریوں کے مختلف سیکشن ہوتے ہیں ان میں سے شعبہ حصول مواد کی تفصیل بیان کریں؟

Q-2 Write a note on the following libraries: 15

a) GC University Library b) Punjab Public Library

مندرجہ ذیل لائبریریوں پر نوٹ لکھیں (ا) جی سی یونیورسٹی لائبریری (ب) پنجاب پبلک لائبریری

Q-3 What is non printed material? Describe in detail two types of it? 15

نان پرنٹڈ میٹیریل سے کیا مراد ہے اس کی دو اقسام بیان کریں؟

Q-4 Define bibliography and describe the uses of it? 15

ببلوگرافی کی تعریف کریں اور اس کا استعمال بیان کریں؟

Q-5 Discuss the history of Dewey Decimal Classification Scheme? 15

ڈی ڈی سی سکیم کی تاریخ بیان کریں؟

Q-6 Discus the University library? 15

یونیورسٹی لائبریری پر بحث کریں؟

Q-7 Describe the history of books before printing press? 15

پرنٹنگ پریس سے قبل کتب کی تاریخ بیان کریں؟

Q-8 What are thesis and reports? Discuss. 15

تھیسز اور رپورٹس سے کیا مراد ہے بحث کریں؟

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-II) Annual 2017

Subject: Library Science **<u>Paper: (II)</u>** Course Code: LBS-401

Course Title: Library Science-II

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note: - Attempt any FIVE questions. All question Carry equal marks.

نوٹ: مندرجہ ذیل میں سے کوئی سے پانچ سوال حل کریں تمام سوالات کے نمبر یکساں ہیں

Q-1 Define acquisition and describe the principles of acquisition of books? 15

حصولِ مواد کی تعریف کریں نیز حصولِ کتب کے پرنسپلز (اصول) بیان کریں؟

Q-2 Define Catalogue and describe its scope and purposes? 15

کیٹالاگ کی تعریف کریں اسکا سکوپ اور مقاصد بیان کریں؟

Q-3 Define reference sources and discuss in details, two of them? 15

ریفرنس سورسز کی تعریف کریں اور دو ریفرنس سورسز کی وضاحت کریں؟

Q-4 Define reference services and give details of supervision function? 15

ریفرنس سروسز کی تعریف کریں نیز سپرویژن فنکشن کی وضاحت کریں؟

Q-5 Define library automation and the advantages of it? 15

لائبریری آٹومیشن کی تعریف کریں اور اسکے فوائد بیان کریں؟

Q-6 What is an accession regirster? Give detail of its entries. 15

داخلہ رجسٹر سے کیا مراد ہے اسکے خانوں کی وضاحت کریں؟

Q-7 Discuss in detail the Card Catalogue? 15

کارڈ کیٹلاگ کی وضاحت کریں؟

Q-8 Give the details of Databasis and Geographical sources? 15

ڈیٹا بیس اور جغرافیکل سورسز کی وضاحت کریں؟

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA — Annual 2017

Subject: Library Science — **Paper: (Optional)** — Course Code: LBS-421

Course Title: Library Science

Time Allowed: 03:00 Hours — Maximum Marks: 100 — Pass Marks: 33%

Note: - Attempt any FIVE questions. All question Carry equal marks.

نوٹ:۔ کوئی سے پانچ سوال حل کریں۔تمام سوالوں کے یکساں نمبر ہیں۔

1- Write a note on various types of libraries.

۱۔ لائبریری کی مختلف اقسام پرنوٹ لکھیں۔

2- What the meaning of cataloguing and describe various kinds of catalogue.

۲۔ کیٹلاگ سے کیا مراد ہے۔ کیٹلاگ اقسام پر جامع نوٹ تحریر کریں۔

3- Define library material. write a note on book material.

۳۔ لائبریری مواد کی تعریف کریں۔کتابی مواد پر جامع نوٹ تحریر کریں۔

4- What is new ARC chargigng system. Describe its merits and demerits.

۴۔ نیوآرک اجرائی نظام سے کیا مراد ہے۔نیوآرک اجرائی نظام کی خوبیاں اور خامیاں بیان کریں۔

5- write a comprehensive note on subject headings.

۵۔موضوعی سرخیوں پر جامع نوٹ لکھیں۔

6- What is a classification system? What is the purpose and use of classification.

۶۔ درجہ بندی نظام سے کیا مراد ہے۔درجہ بندی کے مقاصد اور استعمال کے بارے میں آپ کیا جانتے ہیں۔

7- Describe the brief history of libraries.

۷۔ لائبریریوں کی تاریخ پر جامع نوٹ تحریر کریں۔

8- Write note on the following

a- Dictionaries — b- AACR2

۸۔ مندرجہ ذیل پرنوٹ تحریر کریں۔

ا۔ لغات — ب۔AACR2

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA / B.Sc **Annual 2017**

Subject: Pakistan Studies (Compulsory) Course Code: PKS-302

Time Allowed 01:30 Hours Maximum Marks: 40 Pass Marks: 30%

Note: *Attempt any two questions. All questions carry equal marks.*

1۔ تحریک علی گڑھ کی تعلیمی خدمات پر تفصیل سے روشنی ڈالیں۔

Highlight the Educational Services of Ali Garh Movement..

2۔ قرارداد لاہور پر تفصیلی مضمون لکھیں۔

Write a detailed note on Lahore Resolution.

3۔ 1973 کے آئین کی اسلامی خصوصیات تحریر کریں۔

Write Down Islamic Features of 1973 Constituion.

4۔ پاکستان کی خارجہ پالیسی کے اہم خدوخال تفصیل سے بیان کریں۔

Describe the salient features of foreign policy of Pakistan.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I) Annual 2017

Subject: Mathematics (B-Course) Paper: (I) Course Code: MTH-302

Course Title: Vector Analysis and Mechanics

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt Six questions in all, selecting two questions from section II & III each and One question from I & IV.

SECTION-I

Q. No. 1 (a) Establish the identity $[a\times l \ \ b\times m \ \ c\times n]+[a\times m \ \ b\times n \ \ c\times l]+[a\times n \ \ b\times l \ \ c\times m]=0$ **(9,8)**

(b) If $\mathbf{a}$ is a constant vector and $\mathbf{r}=x\mathbf{i}+y\mathbf{j}+z\mathbf{k}$ show that $Curl[(\mathbf{a}.\mathbf{r})\mathbf{r}]=\mathbf{0}$

Q. No. 2 (a) Find curl(grad ϕ), where ϕ is a scalar function. **(9,8)**

(b) Prove that $\nabla\times(\nabla\times \boldsymbol{F})=\nabla(\nabla.\boldsymbol{F})-\nabla^2\boldsymbol{F}$.

SECTION-II

Q. No. 3 (a) A system of forces act on a plate in the form of an equilateral triangle of side 2a . The moments **(9,8)** of the forces about three vertices are G_1, G_2 and G_3 respectively. Show that the magnitude of their resultant is $\sqrt{\dfrac{G_1{}^2+G_2{}^2+G_3{}^2-G_1G_2-G_2G_3-G_1G_3}{3a^2}}$.

(b) If forces $l\mathbf{AB}, m\mathbf{BC}, l\mathbf{CD}, m\mathbf{DA}$ acting along sides of a quadrilateral triangle are equivalent to a couple, show that either $l=m$ or $ABCD$ is a parallelogram.

Q. No. 4 (a) A triangular lamina ABC, right angled at A, rests with its plane vertical, and with the **(9,8)** sides AB, AC supported by smooth fixed pegs D, E in a horizontal line. Prove that the inclination θ of AC to the horizontal is given by $AC\cos\theta-AB\sin\theta=3DE\cos2\theta$.

(b) AB and AC are similar uniform rods, of length a, smoothly joined at A. BD is a weightless bar of length b, smoothly joined at B, and fastened at D to a smooth ring sliding on AC. The system is hung on a small smooth pin at A. Show that the rod AC makes the vertical an angle $\tan^{-1}\left(\frac{b}{a+\sqrt{a^2-b^2}}\right)$.

Q. No.5 (a) Show that the centre of mass of a segment of a solid sphere of radius a at a distance **(9,8)** b from the center of the sphere is at a distance $\dfrac{3(a+b)^2}{4(2a+b)}$ from the center.

(b) The radius of the faces of a frustum of a solid cone are 2 ft. and 3 ft. and the height of the frustum is 4 ft. Find the distance of center of gravity from the larger face.

Q. No.6 (a) A rod 4 feet long, rests on a rough floor against the smooth edge of a table of **(9,8)** 3 feet hight. If the rod is on the point of slipping when inclined at an angle of 60° to the horizontal, find the coefficient of friction.

(b) A Solid cylinder rests on a rough horizontal plane with one of its flat ends on the plane, and is acted on by a horizontal force through the center of its upper end. If this force be just sufficient to move the solid show that it will slide, and not topple over, if the coefficient of friction be less than the ratio of radius of the base of the cylinder to its height.

(P-T-O)

SECTION-III

Q. No. 7 (a) A particle describing simple harmonic motion has velocities 5 ft/sec. and 4 ft/sec. **(8,8)** when its distance from the centre are 12 ft. and 13 ft. respectively. Find the time period of the motion.

(b) A particle is projected vertically upward with velocity $\sqrt{2gh}$ and another is let fall from a height h at the same time. Find the height of point where they meet each other.

Q. No. 8 (a) An aero plane is flying with constant speed $v_\circ$ and at constant height h. Show that, **(8,8)** if the gun is fired point blank at the aero plane after it has passed directly over the gun when its angle of elevation as seen from the gun is α the shell will hit the aero plane provided $2(V\cos\alpha - v_\circ)v_\circ\tan^2\alpha = gh$, where V is the initial speed of the shot, the path being assumed parabolic.

(b) A projectile having horizontal range R, reaches a maximum height H. Prove that it must have been launched with (i) an initial speed is equal to $\sqrt{\frac{g(R^2+16H^2)}{8H}}$, and (ii) at an angle with the horizontal given by $\sin^{-1}\left(\frac{4H}{\sqrt{(R^2+16H^2)}}\right)$.

Q. No. 9 (a) If a Particle P moves with a velocity v given by $v^2 = n^2(ax^2+2bx+c)$, show that particle **(8,8)** P executes a simple harmonic motion. Find the centre, the amplitude and the time period of the motion.

(b) A particle describing simple harmonic motion in such a way that its velocity and acceleration at a point P are u and f respectively and the corresponding quantities at another point Q are v and g Find the distance PQ.

Q. No. 10 (a) A particle of mass m moves under a central force $mM3au^4 - 2(a^2-b^2)u^5\ (a>b)$ **(8,8)** and is projected from an apse at distance $a+b$ with velocity $\frac{\sqrt{M}}{a+b}$. Show that orbit is $r = a + b\cos\theta$.

(b) A palnet is describing an ellipse about the sun as focus. Show that its velocity away from the sun is greatest when the radius vector is to the planet is at right angles to the major axis of the path, and it then is $\frac{2\pi ae}{\tau(1-e^2)}$, where $2a$ is the major axis, e the eccentricity and τ is the periodic time.

SECTION-IV

Q. No. 11 (a) From a point on a smooth horizontal plane, a ball is projected with velocity u at an **(9,8)** angle α to the horizon. Show that it will keep rebounding from the plane for a time $\frac{2u\sin\alpha}{g(1-e)}$ and will have a range $\frac{u^2\sin\alpha}{g(1-e)}$, where e is the coefficient of restitution.

(b) A smooth sphere of mass m impinges on another of mass M at rest, the direction of motion making an angle $45°$ with the line of centres at the moment of impact. Show that if $e = 1/2$, the direction of motion of the sphere of mass m is turned through an angle $\tan^{-1}\left(\frac{3m}{4m+M}\right)$.

Q. No. 12 (a) A ball impinges directly upon another ball at rest and is itself reduced to rest by the **(9,8)** impact. If half of the initial kinetic energy is destroyed in the collision, find the coefficient of restitution.

(b) A ball A of mass m, moving with velocity u, impinges directly on an ball B of same mass m moving with velocity v in the opposite direction. If A be brought to rest by the impact show that $u : v = 1+e : 1-e$. where e is the coefficient of restitution.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.A/B.Sc (Part-II) Annual 2017

Subject: Mathematics (B-Course) Paper: (II) Course Code: MTH-402

Course Code: Mathematical Methods, Group Theory & Metric spaces

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt Six questions in all, selecting two questions from section I & II each and One question from III & IV.

SECTION-I

Q.1 (a) Prove that $\left(\frac{1+\sin x+i\cos x}{1+\sin x-i\cos x}\right)^n=\cos n\left(\frac{\pi}{2}-x\right)+i\sin n\left(\frac{\pi}{2}-x\right)$. **(9,8)**

(b) Sum the series to infinity. $\cos\theta-\frac{1}{2}\cos 2\theta+\frac{1}{3}\cos 3\theta-\frac{1}{4}\cos 4\theta+\dots$

Q.2 (a) Prove that $\tan^{-1}\left(\frac{x+iy}{x-iy}\right)=\frac{\pi}{4}+\frac{i}{2}\ln\frac{x+y}{x-y}$, if $x>y>0$. **(9,8)**

(b) Find the direction of Qibla of SHAH FAISAL MASJID, Islamabad, given that

Latitude of Islamabad = $33^\circ-40'\ N$, Longitude of Islamabad = $73^\circ-8'\ E$.

Q.3 (a) Examine the continuity of $f(x,y)=\begin{cases}\frac{x^2y}{x^4+y^2}, & if\ (x,y)\neq(0,0)\\ 0, & if\ (x,y)=(0,0)\end{cases}$ at $(0,0)$.

Also find $f_x(0,0)$ and $f_y(0,0)$, if exists. **(9,8)**

(b) If $f(x,y)=x^2\tan^{-1}\left(\frac{y}{x}\right)-y^2\tan^{-1}\left(\frac{x}{y}\right)$, then show that $\frac{\partial^2 f}{\partial x\partial y}=\frac{x^2-y^2}{x^2+y^2}$.

Q.4 (a) If $u=f(x,y)$ is homogeneous function of degree n, then prove that

$x^2f_{xx}+2xyf_{xy}+y^2f_{yy}=n(n-1)f$. **(9,8)**

(b) Examine $f(x,y)=2x^2-4x+xy^2-1$ for relative extrema.

SECTION-II

Q.5 (a) Prove that the series $\sum_{n=1}^{\infty}\frac{1}{n^p}$ is divergent when $p\le 1$ and convergent when $p>1$. **(9,8)**

(b) Use alternating series test to check the series $\sum_{n=1}^{\infty}(-1)^{n-1}\left(\frac{n+4}{n^2+n}\right)$ for convergence or divergence.

Q.6 (a) State Cauchy's root test for convergence or divergence of infinite series apply, this test

on $\sum_{n=1}^{\infty}\frac{2^n}{n^3}$ to check convergence or divergence. **(9,8)**

(b) Find the radius of convergence and the interval of convergence of the power series

$\sum_{n=0}^{\infty}\frac{(-1)^{n+1}(x+1)^{2n}}{(n+1)^2 5^n}$.

P.T.O

Q.7 (a) Evaluate $\iint_D \frac{x^2}{(x^2+y^2)^2} dA$, where D is the region in the first quadrant enclosed by the circles $x^2+y^2=a^2$, $x^2+y^2=b^2$; $< a < b$. **(9,8)**

(b) Find the volume of a right pyramid whose height is *h* and has a square base with each side of length *a*.

Q.8 (a) Evaluate the improper integral $\int_0^1 x \ln x \, dx$. **(9,8)**

(b) Evaluate $\iiint_S 15x^2z^2 dxdydz$, where S is bounded by $x^2+y^2=1$ and $x^2+z^2=1$.

SECTION-III

Q.9 (a) Let $(G,\cdot)$ be a group. Such that $(ab)^n = a^n b^n$ for three consecutive natural numbers and all $a,b \in G$. Show that G is an abelian group. **(8,8)**

(b) The union $H \cup K$ of two subgroups H and K of a group G is a subgroup of G if and only if either $H \subset K$ or $K \subset H$.

Q.10 (a) If H and K be two finite subgroups of a group G, whose order are relatively prime, prove that $H \cap K = \{e\}$. **(8,8)**

(b) Define a transposition and determine whether the permutation $\begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ 4 & 3 & 1 & 2 & 6 & 7 & 5 \end{pmatrix}$ is even or odd.

SECTION-IV

Q.11 (a) Let (X,d) be a metric space and let $d'(X \times X) \to R$ be given by

$$d'(x_1,x_2) = \frac{d(x_1,x_2)}{1+d(x_1,x_2)}$$

. Prove that d' is a metric space. **(8,8)**

(b) Prove that open sphere in a metric space is an open set.

Q.12 (a) Define the following in the metric space X **(8,8)**

i) Closed sphere

ii) Open set

iii) Closure of a set A in X

iv) Limit point of a set A in X

(b) If A and B are two subsets of a metric space (X,d), then prove that

i) $\text{int}(A) \cap \text{int}(B) = \text{int}(A \cap B)$

ii) $\text{int}(A) \cup \text{int}(B) \subseteq \text{int}(A \cup B)$.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/BSc (Part-I) Annual 2017

Subject: Mathematics (A-Course) Paper: (I) Course Code: MTH-301

Course Title: Calculus and Analytic Geometry

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt Six questions in all, selecting two question from section I and II each and one queston from III and IV.

Section-I

Question # 1: (a) Show that $\lim_{x\to 0}\frac{\cos x-1}{x}=0$. **(9,8)**

(b) If $P_n(x)=a_0x^n+a_1x^{n-1}+\ldots+a_{n-1}x+a_n$, then prove that $\lim_{x\to a}P_n(x)=P_n(a)$.

Question # 2: (a) Let v be the velocity of a particle at any given time t. Deduce that the acceleration of the particle at this instant is $\frac{dv}{dt}$. **(9,8)**

(b) Find the root of the equation $4\sin x=e^x$ in the interval $(0,0.5)$.

Question # 3: (a) Show that $\frac{d^n}{dx^n}\left(\frac{\ln x}{x}\right)=\frac{(-1)^n n!}{x^{n+1}}\left[\ln x-1-\frac{1}{2}-\frac{1}{3}-\ldots-\frac{1}{n}\right]$.

(9,8)

(b) Use L'Hospital rule to prove that $\lim_{x\to\infty}\left[\frac{a^{\frac{1}{x}}+b^{\frac{1}{x}}}{2}\right]^x=\sqrt{ab},a>0,b>0$.

Question # 4: (a) Apply Taylor's theorem to prove that

$(a+b)^m=a^m+\frac{m}{1!}a^{m-1}b+\frac{m(m-1)}{2!}a^{m-2}b^2+\ldots$ for all real $m,a>0,-a<b<a$.

(b) Evaluate the given limits: $\lim_{x\to 0}\frac{\tanh x-\sinh x}{x^2}$. **(9,8)**

Section-II

Question # 5: (a) Find equations of tangent and normal to each of the following curves at the indicated point: $c^2(x^2+y^2)=x^2y^2$ at $\left(\frac{c}{\cos\theta},\frac{c}{\sin\theta}\right)$.

(b) Find the pedal equation of $r^m=a^m\cos m\theta$.

(9,8)

Question # 6: (a) Show that $\tan\psi=\frac{x\frac{dy}{dx}-y}{y\frac{dy}{dx}+x}$. **(9,8)**

(b) Sketch the graph of the given curves $r^2=a\sin 2\theta$.

Question # 7: (a) Show that the shortest between the lines $x+a=2y=-12z$ and

$x=y+2a=6(z-a)$ is $2a$. **(9,8)**

(b) Express the given equation in cylindrical coordinates: $(x+y)^2-z^2+4=0$.

(P-T-O)

Question # 8: (a) Find an equation of the cone whose directrix is

Directrix: $y^2=x$, $z=4$ and whose vertex is at A (0,2,0)

(b) Find an equation of the tangent plane to the sphere $x^2+y^2+z^2-4x+2y-6z=0$ at the point P(3,2,5) (9, 8)

Section III

Question # 9: (a) Find the asymptotes of $2xy+2y=(x-2)^2$ (8, 8)

(b) Show that the height of an open cylinder of given surface S and greatest Volume is equal to the radius of the base.

Question # 10: (a) Find the equations of the tangents at the multiple points of the curve $(y-z)^2 = x(x-1)^2$ (8, 8)

(b) Find the intrinsic equation of $\gamma = a(1-\cos\theta)$

Section IV

Question # 11: (a) Evaluate $\int x^5 e^{x^3} dx$. (8, 8)

(b) Integrate $1/(x^4+1)$ with respect to x.

Question # 12: (a) Calculate $\int_0^{\pi/2} \ln \sin x \, dx$. (8, 8)

(b) Use Trapezoidal Rule to approximate the integral $\int_0^{\pi} \sin x \, dx$ with n=6.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.A/B.Sc (Part-II) Annual 2017

Subject: Mathematics (A-Course) Paper: (II) Course Code: MTH-401

Course Title: Linear Algebra and Differntial Equations

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: Attempt Six questions in all, selecting two questions from section I & IV each and one Question from II & III.

SECTION-I

Q.1 (a) Prove that the product of matrices. **(9,8)**

$$A=\begin{bmatrix}\cos^2\alpha & \cos\alpha\sin\alpha\\ \cos\alpha\sin\alpha & \sin^2\alpha\end{bmatrix} \quad \text{and} \quad B=\begin{bmatrix}\cos^2\beta & \cos\beta\sin\beta\\ \cos\beta\sin\beta & \sin^2\beta\end{bmatrix}$$

is the zero matrix if α and β differ by $\frac{(2n+1)\pi}{2}$, where n is an integer.

(b) Prove that $\begin{vmatrix}a^3 & 3a^2 & 3a & 1\\ a^2 & a^2+2a & 2a+1 & 1\\ a & 2a+1 & a+2 & 1\\ 1 & 3 & 3 & 1\end{vmatrix}=(a-1)^6$.

Q.2 (a) A yarn merchant sells brands A, B, C of yarn each of which is a blend of Pakistani, Egyptian and American cotton in ratio 1:2:1, 2:1:1 and 2:0:2, respectively. If one kilogram of A, B, C costs 40,50 and 60 rupees respectively, find the cost of a kilogram of cotton of each country. **(9,8)**

(b) Let A and B be nonsingular matrices of the same order then AB is a nonsingular. Then prove that $(AB)^{-1}=B^{-1}A^{-1}$.

Q.3 (a) Show that the vectors $\{(1,2,3),(0,1,2),(0,0,1)\}$ generate R^3. **(9,8)**

(b) Let U and W be subspaces of a vector space V over a field F. Then prove that $U\cap W$ is also a subspace of V.

Q.4 (a) A linear transformation $T:U\to V$ is one-one if and only if N(T)={0}. **(9,8)**

(b) Find a basis and dimension of R(T) where $T:R^3\to R^3$ is defined by

$$T(x_1,x_2,x_3)=(x_1+2x_2-x_3,x_2+x_3,x_1+x_2-2x_3).$$

SECTION-II

Q.5 (a) Let $u=(u_1,u_2)$ and $v=(v_1,v_2)$ belong to R^2 verify that

$\langle u,v\rangle=u_1v_1-2u_1v_2-2u_2v_1+5u_2v_2$ is an inner product on R^2. **(8,8)**

(b) Show that the rows (columns) of the matrix $\begin{bmatrix}\cos\theta & -\sin\theta & 0\\ \sin\theta & \cos\theta & 0\\ 0 & 0 & 1\end{bmatrix}$ form an orthonormal set.

(P-T-O)

Q.6 (a) Find the eigen values and corresponding eigen vectors of the matrix $\begin{bmatrix} 1 & 2 & 2 \\ 1 & 2 & -1 \\ -1 & 1 & 4 \end{bmatrix}$. **(8,8)**

(b) If λ is an eigen value of an orthonrmal matrix, then $|\lambda| = 1$.

SECTION-III

Q.7 (a) Solve $x\dfrac{dy}{dx} + y = y^2 \ln x$. **(8,8)**

(b) Solve $p = \tan\left(x - \dfrac{p}{1+p^2}\right)$.

Q.8 (a) Solve $(xy^2 + 2x^2y^3)dx + (x^2y - x^3y^2)dy = 0$. **(8,8)**

(b) Find an equation of orthonormal trajectory of the curve $r^n \cos n\theta = a^n$.

SECTION-IV

Q.9 (a) Solve $(D^3 - D^2 + D - 1)y = 4\sin x$. **(9,8)**

(b) Solve $x^4\dfrac{d^3y}{dx^3} + 2x^3\dfrac{d^2y}{dx^2} - x^2\dfrac{dy}{dx} + xy = 1$.

Q.10 (a) Solve particular solution: $\dfrac{d^2y}{dx^2} - 3\dfrac{dy}{dx} + 2y = (1 + e^{-x})^{-1}$. **(9,8)**

(b) Solve: $\dfrac{d^2y}{dx^2} + y = \sec^3 x$.

Q.11 (a) Compute (i) $L(\sin at)$ (ii) $L^{-1}\left(\dfrac{3s+1}{s^2 - 6s + 18}\right)$. **(9,8)**

(b) Apply the power series method to solve: $y' - ky = 0$.

Q.12 Use Laplace transformation method to solve: **(9,8)**

(a) $\dfrac{d^2y}{dt^2} - 2\dfrac{dy}{dt} + y = te^t$; $y(0) = 0 = y'(0)$.

(b) $\dfrac{dy}{dt} + 4y = 2e^t - 4e^{-t}$; $y(0) = 0$.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA. (Paper-I) — Annual 2017
Subject: History (Paper-I) — Course Code: HIS-301
Time Allowed: 03:00 Hours — Maximum Marks: 100 — Pass Marks: 33%

---

1. History of Pakistan Movement 1858-1947

Note: - Attempt any FIVE questions. All questions carry equal marks.

1- Write a comprehensive note on the political service of sir syed.
سرسید کی مسلمانان برصغیر کیلئے سیاسی خدمات کو حلقہ تحریر میں لائیں۔

2- What were the causes and objectives of the formation of All India Muslim League?
آل انڈیا مسلم لیگ کے اسباب اور مقاصد کیا تھے؟

3- Write a comprehensive note on Minto Morley reforms.
منٹو مارلے اصلاحات پر جامع تبصرہ لکھیں۔

4- Lucknow Pact was a milestone in the history of Indian Politics. Discuss.
میثاق لکھنؤ کو ہندوستانی سیاسی تاریخ میں ایک سنگ میل کی حیثیت حاصل ہے تبصرہ لکھیں۔

5- What were the effects of Khilafat Movement?
تحریک خلافت کے اثرات کیا تھے؟

6- Write a detail note on Round Table Conference.
گول میز کانفرنس پر ایک مفصل نوٹ تحریر کریں۔

7- Critically examine the salient features of Government of India act 1935.
قانون حکومت ہند 1935ء کی نمایاں خصوصیات کا تنقیدی جائزہ پیش کریں۔

8- Discuss the Cabinet Mission plan in detail.
کابینہ مشن پلان پر مفصل بحث کریں۔

2. History of Europe (1789-1871) **Model Paper**

Note: - Attempt any FIVE questions. All questions carry equal marks.

1- Write an essay on the French Revolution of 1789.
1789ء کے انقلاب فرانس پر ایک مضمون لکھیں۔

2- What reforms were carried out by Napoleon as first consul?
بحیثیت کونسل اول نپولین بوناپارٹ نے کون سی اصلاحات نافذ کیں۔

3- What do you understand by the Metternich system? How far it was successful?
"میٹرنخ سسٹم" سے کیا مراد لیتے ہیں؟ یہ کس حد تک کامیاب رہا؟

4- Critically analyze the decisions of the congress of Vienna of 1815.
1815ء کی ویانا کانگریس کے فیصلوں کا تنقیدی جائزہ لیجیے۔

5- To what extent it is right to say that Mazzini was the main spirit behind the Italian Unification movement?
یہ کہنا کس حد تک درست ہے کہ میزینی تحریک اتحاد اٹلی کا اہم محرک تھا۔

6- Critically examine the causes and effects of the revolutions of 1830.
1830ء کے انقلابات کی وجوہات اور اثرات کا تنقیدی جائزہ لیں۔

7- Evaluate the internal reforms and foreign policy of Czar Alexander II of Russia.
روس کے زار الیگزینڈر دوئم کی داخلی اصلاحات اور خارجہ پالیسی کا جائزہ لیں۔

8- Critically analyze internal and foreign policies of Napoleon III.
نپولین سوئم کی داخلہ اور خارجہ پالیسی کا تنقیدی جائزہ لیں۔

Model Paper

3. History of Islam (Holy Prophet to Pious Caliphate)

Note: - Attempt any FIVE questions. All questions carry equal marks.

1- What do you know about Misaq-e-Madina? Explain its importance.
میثاق مدینہ کے بارے میں آپ کیا جانتے ہیں؟ اس کی تاریخی اہمیت بیان کریں۔

2- Describe causes and results of Hijrat-e-Madina.
ہجرت مدینہ کے اسباب و نتائج بیان کیجئے۔

3- Give an account of causes, events and results of Battle of Uhad.
غزوہ احد کی وجوہات، واقعات اور اثرات بیان کیجئے۔

4- Describe the contract of Hudaybia. Why it is called Fateh-i-Mubeen.
معاہدہ حدیبیہ کے بارے میں آپ کیا جانتے ہیں۔ اس کو فتح مبین کیوں کہا جاتا ہے۔

5- Write a detailed note on Gazwa - i – Tabuk.
غزوہ تبوک کے بارے میں تفصیل سے بیان کریں۔

6- Analyze the character and achievements of Hazrat Ali.
حضرت علیؓ کے کردار اور فتوحات کا تجزیہ کریں۔

7- Explain the salient feature of Klhilaft-e-Rashida.
خلافت راشدہ کی امتیازی خصوصیات تفصیل سے بیان کریں۔

8- Write a comprehensive note on Seerat-Ur-Rasool(PBUH)
رسول پاک صلی اللہ علیہ وآلہ وسلم کی سیرت طیبہ پر ایک جامع مضمون لکھیں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA. (Part-II) Annual 2017

Subject: History (Paper-II) Course Code: HIS-401

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

---

1. History of Pakistan 1947-1988

Note:* - *Attempt any FIVE questions. All questions carry equal marks.

سوال نمبر 1۔ قیام پاکستان کے وقت ابتدائی مشکلات کا جائزہ لیں۔

Q.No.1: Discuss the basic problems of Pakistan at the time of creation.

سوال نمبر 2۔ لیاقت علی خان کے دورِ حکومت پر نوٹ لکھیں۔

Q.No.2: Write a note on Liaquat Ali Khan's Era.

سوال نمبر 3۔ ون یونٹ پر تفصیلی نوٹ لکھیں۔

Q.No.3: Detail note on One UNit.

سوال نمبر 4۔ ایوب خان کے دورِ حکومت کی اصلاحات بیان کریں۔

Q.No.4: Discuss the reforms during the regime of Ayub Khan.

سوال نمبر 5۔ 1973ء کے آئین کی اسلامی دفعات کی وضاحت کریں۔

Q.No.5: Describe the Islamic Provision of 1973 Constitution.

سوال نمبر 6۔ مجیب الرحمٰن کے چھ نکات پر تفصیلی بحث کریں۔

Q.No.6. Write a detail note on six point of Mujib-ur-Rehman.

سوال نمبر 7۔ پاکستان کی خارجہ پالیسی پر نوٹ لکھیں۔

Q.No.7: Write a note on Foreign Policy of Pakistan.

سوال نمبر 8۔ 1965ء کی پاک بھارت جنگ پر بحث کریں۔

Q.No.8: Discuss the 1965 Indo-Pak War.

سوال نمبر 9

2. International Relations (1871-1945) — Model Paper

Note: ***Attempt any Five Questions. All questions carry equal mark.***

Q.1 Discuss in detail the foreign policy of William-II

۱۔ ولیم دوم کی خارجہ پالیسی کا مفصل جائزہ لیں

Q.2 Highlight the causes and results of the Russian Revolution of 1917.

۲۔ 1917ء کے روسی انقلاب کے اسباب اور نتائج کو اجاگر کریں۔

Q.3 Critically describe the important peace treaties of 1919.

۳۔ 1919ء کے امن معاہدات کا تنقیدی جائزہ لیں۔

Q.4 What were causes and effects of World war-I

۴۔ پہلی جنگ عظیم کی وجوہات اور اثرات کا جائزہ لیں۔

Q.5 Discuss the Disarmament conference and its results.

۵۔ تخفیف اسلحہ کانفرنس اور اس کے نتائج پر بحث کریں۔

Q.6 Discuss the structure and activities of the League of Nations.

۶۔ لیگ آف نیشنز کا ڈھانچہ اور سرگرمیوں پر بحث کریں۔

Q.7 Write a detailed note on the activities of Weimar Republic and its difficulties.

۷۔ ویمر ری پبلک کی سرگرمیاں اور اسکی مشکلات کا تجزیہ کریں۔

Q.8 Discuss the Pan-Germanism Policy of the Hitler. How this policy disturbed the politis of Europe?

۸۔ ہٹلر کی پان جرمن پالیسی پر بحث کریں۔اس پالیسی نے یورپ کی سیاست کو کس طرح متاثر کیا۔

3. Modern Muslim (Arab World) 1919-1970 **Model Paper**

Note: ***Attempt any Five Questions. All questions carry equal mark.***

Q.1 Analyse the development in Saudi Arabia during King Ibn-e-saud.

۱۔ ابن سعود کے دور میں سعودی عرب میں جو ترقی ہوئی اس کا جائزہ لیجئے۔

Q.2 Discuss the causes and effects of United Arab Republic.

۲۔ متحدہ عرب ری پبلک کے قیام کے اسباب و اثرات زیر بحث لائیں۔

Q.3 Discuss the origin and development of Palestine Question. What role did britian play in it.

۳۔ مسئلہ فلسطین کیوں اور کیسے پیدا ہوا؟ برطانیہ نے اس میں کیا کردار ادا کیا؟

Q.4 Write a note on the services of King Hussain Jordan.

۴۔ شاہ حسین کی خدمات پر ایک نوٹ لکھیں۔

Q.5 Highlight the main features of Anglo-Iran treaty of 1930.

۵۔ 1930ء کے انگلو عراقی معاہدہ کے اہم نکات پر روشنی ڈالیں۔

Q.6 Examine the role of Huseni Zaim in Syria politics.

۶۔ فلسطین میں یہودیوں کے آباد ہونے کی کوششوں کا حال لکھیے۔

Q.7 Highlight the main features and effects of Anglo-Iraq Treaty of 1930.

۷۔ 1930ء کے انگلو عراقی معاہدہ کی اہم نکات اور اثرات پر روشنی ڈالیں۔

Q.8 "From the ashes of Suez Crisis. Nassir emerged as the champion of Arab cause" comment.

۸۔ ''نہر سویز کے بحران نے ناصر کو عرب کاز کا چیمپئن بنا دیا''۔ تبصرہ کریں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA — Annual 2017

Subject: History — Paper: (Optional) — Course Code: HIS-421

Course Title: History of Islam from the Holy Prophet (P.B.U.H) to 1258

Time Allowed: 03:00 Hours — Maximum Marks: 100 — Pass Marks: 33%

Note: ***Attempt any Five Questions. All questions carry equal mark.***

QNo 1. Discuss the political religious and social conditions of the Quresh on the eve of the advent of Islam?

طلوع اسلام کے وقت قریش کے سیاسی، دینی اور معاشرتی حالات پر بحث کیجئے؟

QNo 2. What do you know about the Charter of Medina? Discuss the main provisions and assess its importance?

میثاق مدینہ کے بارے میں آپ کیا جانتے ہیں؟ اس کی اہم شقوں پر بحث کیجئے اور اہمیت بیان کیجئے؟

QNo 3. Discuss the causes of Battle of Badr ?Do you agree it was conflict between the forces of light and darkness?

جنگ بدر کے اسباب کیا تھے؟ کیا آپ اس سے متفق ہیں کہ یہ حق و باطل کی جنگ تھی؟

QNo 4. Discuss the status of Dhimmis under the pious Caliphate?

خلفائے راشدین کے عہد میں ذمیوں کے مقام کا تعین کیجئے؟

QNo 5. "The event of Karbala is a black spot in the history of Islam"Discuss?

واقعہ کربلا تاریخ اسلام میں ایک سیاہ دھبہ ہے۔ بحث کیجئے؟

QNo 6. Give an account of territorial expansion and administration of Ummayad Empire during the reign of Walid-1?

ولید اول کے دور میں اموی حکومت کی توسیع اور تنظیم کا حال بیان کیجئے؟

QNo 7.Highlight the character and achievements of Mamun al Rashid?

مامون الرشید کے کردار اور کارناموں پر تفصیلی روشنی ڈالیے؟

QNo 8.Highlight the provincial and central administration of Abbasids?

عباسی حکومت کے مرکزی اور صوبائی نظام پر روشنی ڈالیے؟

MODEL PAPER

Government College University, Faisalabad

Examination Annual 2017: B.A/B.Sc

Subject: Essentials of Home Economics **Time Allowed: 3hrs**

Title: Food & Nutrition, Clothing and Textile

Paper-I **Max.Marks:75**

Note: Attempt five Question, at least two questions from each Section.

(Section-I)

Q.1. **(a)** Define Nutrition Education. (5)

(b) Discuss the significance of Nutrition Education. (10)

سوال نمبر ۱۔ ا۔ علم غذائیت کی تعریف کیجئے۔ ب۔ علم غذائیت کی اہمیت بیان کیجئے۔

Q.2. Discuss the Nutrition of Pregnant & lactating mothers in detail. (15)

سوال نمبر ۲۔ ایک حاملہ اور دودھ پلانے والی ماں کی غذائی ضروریات پر تفصیلی بحث کیجئے۔

Q.3. Discuss the factors which effect the Dietary Habits of People. (15)

سوال نمبر ۳۔ لوگوں کی غذائی ضروریات پر اثر انداز ہونے والے عوامل تفصیل سے بیان کیجئے۔

Q.4. Write notes on any two from the following (7.5,7.5)

(a) Diabetes **(b)** Hypertension (C) Anemia

سوال نمبر ۴۔ مندرجہ ذیل پر نوٹ لکھئے۔ ا۔ ذیابیطس ب۔ ہائی بلڈ پریشر (بلند فشار خون) ج۔ انیمیا

(Section-II)

Q.5. Draw sketches of Basic Weaves and and explain their characteristics along with advantages and disadvantages. (15)

سوال نمبر ۵۔ بنیادی بنائیوں کے خاکے بنائیں اور ان کے خواص بمع فوائد و نقصانات کو واضح کریں

Q.6. What are the Material (Fiber) Colours and Design requiremets of Infant's Clothes and list the Essentials of the Baby Layette? (15)

سوال نمبر ۶۔ شیر خوار بچوں کے ملبوسات کے ریشہ، رنگوں اور ڈیزائن کی ضروریات کیا ہیں؟ اور ان کے لازمی پہناووں کی فہرست مرتب کریں۔

Q.7. Write notes on two of the following (7.5,7.5)

(a) Hair Care (B) Preparation for shopping of Dress Accessories

(C) Any three requirement of Islamic Dress

سوال نمبر ۷۔ مندرجہ ذیل میں سے دو پر نوٹ لکھیں:

ا۔ بالوں کی دیکھ بھال۔ ب۔ متفرقات لباس کی خریداری کے لئے تیاری ج۔ اسلامی لباس کی کوئی سی تین ضروریات

Q.8 Define Weaving, name different type of weaving and explain the charactistics of plain weaving . (15)

سوال نمبر ۸ بنائی سے کیا مراد ہے۔ بنائی کی بنیادی اقسام کون کون سی ہیں نیز سادہ بنائی کی خصوصیات بیان کریں۔

MODEL PAPER

Government College University, Faisalabad

Examination 2017: BA/B.Sc

Subject: Essentials of Home Economics **Time Allowed: 3hrs**

Title: Art & Design and managment of Home & Environment, Humane Development and Family Studies

Paper-II **Max.Marks:75**

Note: Attempt six Questions in all, selecting two questions from each Sections.

(Section-I)

Q.1: Define Harmony. How Colours, Lines and Shape create Harmony in Interior Decoration? Elaborate. (12.5)

سوال نمبر ۱۔ "ہم آہنگی" کی تعریف کریں۔ رنگوں، خطوط اور شکل و وضع سے اندرون خانہ آرائش میں کس طرح ہم آہنگی پیدا کرتے ہیں؟ وضاحت کریں۔

Q.2: Describe the Principles and Techniques of Label Designing. (12.5)

سوال نمبر ۲۔ لیبل ڈیزائننگ کے اصول اور طریقے بیان کریں۔

Q.3: Discuss in detail the importance of Art/Design in Home, Apparel and consumer goods. (12.5)

سوال نمبر ۳۔ آرٹ / ڈیزائن کی گھر، پہناوون (لباس) اور اشیائے صرف میں اہمیت کے بارے میں تفصیل سے بحث کریں۔

(Section-II)

Q.4: What is meant by the Time and Energy Management? How will you organize the kitchen for work simplification and Fatigue Reduction? (12.5)

سوال نمبر ۴۔ وقت و قوت کے انتظام سے کیا مراد ہے؟ کام کو آسان کرنے اور تھکاوٹ کم کرنے کے لئے آپ باورچی خانہ کو کس طرح ترتیب دیں گی؟

Q.5: Describe the goals and values and hihlight their importance in Human Life. (12.5)

سوال نمبر ۵۔ مقاصد و اقدار کو بیان کریں اور انسانی زندگی میں ان کی اہمیت پر روشنی ڈالیں۔

Q.6: Analyse the causes of Deterioration of Urban Environment and suggest remedial/preventive measures. (12.5)

سوال نمبر ۶۔ شہری ماحول کے انحطاط کی وجوہات کا تجزیہ اور ان کے خاتمہ و کمی کے اقدامات کی تجاویز دیں۔

(Section III)

Q.7 (a) What is meant by Human Development? (3,3,6.5)

(b) Why is it important to study Human Development?

(C) Write down about the various aspects of development?

سوال نمبر ۷۔ ا۔ انسانی نشوونما سے کیا مراد ہے؟ ب۔ نشوونما کا مطالعہ کیوں ضروری ہے؟ ج۔ نشوونما کے مختلف پہلوؤں کے بارے میں لکھئے۔

Q.8 (a) Define family, What are the functions of family discuss. (12.5)

سوال نمبر ۸۔ خاندان کی تعریف کیجئے۔ خاندان کے فرائض پر بحث کیجئے۔

Q.9 (a) Describe the factors which affect family relationships and Write a note on family life cycle. (12.5)

سوال نمبر ۹۔ خاندانی تعلقات پر اثر انداز ہونے والے عوامل بیان کیجئے اور خاندانی چکر پر نوٹ لکھئے۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-I) Annual 2017

Subject: Journalism **Paper: (I)** Course Code: JUR-301

Course Title: Journalism-I

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any five questions. All questions carry equal marks.*

Q No.1) Write a critical note on the present status of print media in Pakistan. Evaluate the content of any newspaper you like the most. 20

پاکستان میں پرنٹ میڈیا کی موجودہ صورتحال کا تنقیدی جائزہ لیں۔ کسی ایک اخبار کے مواد کا جائزہ پیش کریں۔

Q No.2) How do you define model? With the help of Lasswell's formula describe the process of communication. 20

ماڈل کی تعریف لکھیں۔ لازویل فارمولا کے تحت رابطے کے عمل کو بیان کریں۔

Q No.3) Pen down the different techniques of propaganda in psychological warfare. 20

نفسیاتی جنگ میں پراپیگنڈہ کے مختلف طریقِ کار تحریر کریں۔

Q No.4) Define Communication. Write a detailed note on the types of Communication. 20

کمیونیکیشن کی تعریف لکھیں نیز کمیونیکیشن کی اقسام پر مفصل نوٹ لکھیں۔

Q No.5) How do you define advertising? Discuss the purpose and socio-economic aspects of advertising. 20

اشتہار بازی کی تعریف لکھیں۔ نیز اشتہار بازی کے مقاصد اور معاشرتی و معاشی پہلوؤں کا جائزہ لیں

Q No.6) Define Mass Communication. Describe the functions of mass communication in context of Pakistan. 20

ابلاغِ عامہ کی تعریف کریں۔ پاکستان کے تناظر میں ابلاغِ عامہ کے طریقِ کار پر نوٹ لکھیں۔

Q No.7) What is new media? Elaborate the role of new media in enhancing political awareness in society. 20

نیو میڈیا سے کیا مراد ہے؟ معاشرے میں سیاسی آگہی کو بڑھانے میں نیو میڈیا کے کردار پر روشنی ڈالیں

Q No.8) Define Public relations. Discuss the duties of PRO of any government organization. 20

پبلک ریلیشنز کی تعریف لکھیں۔ کسی سرکاری ادارے میں پی۔آر۔او کی ذمہ داریوں پر مفصل نوٹ لکھیں۔

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA (Part-II) Annual 2017

Subject: Journalism **Paper: (II)** Course Code: JUR-401

Course Title: Journalism-II

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any five questions. All questions carry equal marks.*

سوال نمبر 1: کاپی ایڈیٹنگ کیا ہوتی ہے ۔ نیز سب ایڈیٹر کے فرائض کی وضاحت کریں ۔

Q.1 What is copy editing? Explain the duties of sub editor. 8+12

سوال نمبر 2: اداریہ کیا ہے ۔ ادارتی صفحے کے مندرجات کی وضاحت کریں

Q.2 What is editorial and explain contents of editorial page 6+14

سوال نمبر 3: رپورٹر کی بیٹ کسے کہتے ہیں ۔ کوئی سی دو رپورٹنگ بیٹس کی وضاحت کریں ۔

Q.3 What is reporter's beat? Explain any two reporting beats. 8+12

سوال نمبر 4: خبر کسے کہتے ہیں ۔ خبر کی ساخت کے حوالے سے عمودی تکون کی وضاحت کریں ۔

Q.4 What is new? Explain inverted pyramid style in news writing structure. 6+14

سوال نمبر 5: کالم نویسی کسے کہتے ہیں ۔ اپنی پسند کے کوئی سے دو کالم نویسوں کے نام لکھیں اور آپ انہیں کیوں پسند کرتے ہیں ۔

Q.5 What is column writing? Write down any two names of column writers of your choice and why do u like them. 10+10

سوال نمبر 6: کوئی سی آٹھ خبری اقدار کی مثالوں کے ساتھ وضاحت کریں ۔

Q.6 Explain with examples any eight(8) news values. 20

سوال نمبر 7: نیوز روم کسے کہتے ہیں ۔ نیوز روم کی ساخت کی وضاحت کریں ۔

Q.7 What is news room? Explain briefly the structure of a news room 6+14

سوال نمبر 8: نوٹ لکھیں

۱۔ سلانڈر اور لائیبل ۲۔ ڈیفیمیشن

Q.8 Write notes on 10+10

1-Slander and Libel 2-defamation

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA Annual 2017

Subject: Journalism **Paper: <u>(Optional)</u>** Course Code: JUR-421

Course Title: Journalism

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any five questions. All questions carry equal marks.*

Q-1 What is the role of journalism in any society, explain the functions of journalism. 10+10

سوال نمبر 1۔ کسی معاشرے میں صحافت کا کیا کردار ہے، نیز صحافت کے فرائض کی وضاحت کریں۔

Q-2 Define news, as a journalist from which sources you can get news on daily bases. 6+14

سوال نمبر 2۔ خبر کی تعریف کریں، ایک صحافی ہونے کی حیثیت سے آپ روزانہ کی بنیاد پر کن ذرائع سے خبریں اکٹھی کر سکتے ہیں۔

Q-3 Are column writers playing their positive role in Pakistan? Explain with examples. 20

سوال نمبر 3۔ کیا کالم نویس پاکستان میں مثبت کردار ادا کر رہے ہیں؟ مثالوں سے واضح کریں۔

Q-4 Write an explanatory note on social importance of a feature. 20

سوال نمبر 4۔ فیچر کی سماجی اہمیت پر وضاحت کے ساتھ نوٹ لکھیں۔

Q-5 As a journalist what may be your duties. Discuss any two journalists of your choice. 10+10

سوال نمبر 5۔ ایک صحافی ہونے کی حیثیت سے آپ کے کیا فرائض ہو سکتے ہیں۔ اپنی مرضی کے دو صحافیوں پر بحث کریں۔

Q-6 What is the development of radio in Pakistan, Write a note on role of radio in rural development. 10+10

سوال نمبر 6۔ پاکستان میں ریڈیو کے ارتقاء پر نوٹ لکھیں۔ نیز دیہی ترقی میں ریڈیو کے کردار پر نوٹ لکھیں۔

Q-7 Discuss the positive and negative role of Television in society. 20

سوال نمبر 7۔ معاشرے میں ٹیلی ویژن کے مثبت اور منفی کردار پر بحث کریں۔

Q-8 What is the use of journalistic language? What are its characteristics? 10+10

سوال نمبر 8۔ صحافتی زبان کے استعمال پر نوٹ لکھیں۔ نیز اس کی خصوصیات بیان کریں۔

Roll No. ……………..

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

Course Code: **BCO-B11** Course Title: **Advanced Financial Accounting**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: ***Attempt any five questions. All questions carry equal marks***

Q 1. The following is the balance sheet of Nadir Ltd. as on December 31, 2014.

	Rs.		Rs.
Authorized capital:			
EquityShares of Rs.10 each	1,00,00,000	Sundry assets	32,75,000
Issued, subscribed and paid up capital:			
250,000 shares of Rs.10 each	25,00,000		
Share premium	1,25,000		
General reserve	4,00,000		
Profit & loss account	2,50,000		
	32,75,000		32,75,000

The board of directors decided to issue bonus shares at the rate of one bonus share for every four shares held at present. For this purpose the amount available in share premium and profit & loss account will be utilized completely and the balance will be provided from general reserves.

The directors further decided to issue right shares at the rate of five shares for every twenty five (25) shares held. The share will be issued at par. The right shares were offered and fully subscribed.**Required:** Give general entries to give effect to the above resolution and prepare an amended balance sheet?

Q 2. Chand Company has outstanding 6% debentures of Rs.6,00,000 on 1st January, 2010. The company paid interest on 30th June and 31st December. It purchases debentures of Rs.60,000 for cancelation on 1st May, 2010 at Rs.101 cum interest. It purchases for redemption debenture of Rs.120,000 on 1st September 2010 @ Rs.98 ex-interest. On 31st December 2010, Company further purchases debentures of Rs.20000 at a cost of Rs.19000.

Required: Pass the general entries in the book of the company for 2010. Also showcomputations?

Q 3. X transport Ltd. purchased from Lahore Motors 3 trucks costing Rs.50,000 each on the hire purchase system. Payment was to be made Rs.30,000 down and the reminder in 3 equal installments together with interest at@ 9%. X transport Ltd writes off depreciation @ 20% on the diminishing balancemethod. It paid the installment due at the end of the first year but could not pay the next. Lahore Motors agreed to leave one truck with the purchaser, adjusting the value of the other two trucks against the amount due. The trucks were valued on the basis of 30 % depreciation annually.

Required: Show the necessary accounts in the hooks of X. Transport for 2 years?

Q 4. The Naeem Stores Ltd., Multan has a branch at Hyderabad. Goods are invoiced to the branch at a selling price, being cost plus 20%. The branch keeps its own sale ledger and deposits all cash received daily to the credit of the Head Office Account opened at the MCB, Hyderabad. All expenses are paid by cheques from Multan.

From the following information, prepare Branch Account in the Head Office Books and make the necessary adjustments therein to arrive at the actual branch profit or loss during the year 2007.

	Rs.	
Stock on 1-1-07		30,000
Stock on 31-12-07		36,000
Sundry Debtors on 1-1-07		16,800
Sundry Debtors on 31-12-07		21,600
Goods Invoiced from H. O	218,400	
Rent, Rates and Taxes		9,600
Sundry Expenses		1,920
Cash Sales for the year	129,600	
Credit sales		84,000
Cash Received from Debtor		79,200
Wages Paid		8,960

Q 5. The following particulars relates to the contract undertaken by Zahid Developers Engineers: Material sent to the site Rs.85,349; Labour engaged on the site Rs.74,375; Plant installed at cost Rs.15,000; Direct expenditure Rs.3,167; establishment charges Rs.4,126; Material returned to stores Rs.549; Work certified Rs.195,000; Cost of work not certified Rs.4,500; Material in hand at the end of year Rs.1,883; Wages accrued at the end of year Rs.2,400; Direct expenses accrued at the end of year Rs.240; Value of plant at the end of year Rs.11,000. The contract price has been agreed at Rs.250,000; cash received from Contractee was Rs.180,000.

Required: You are required to prepare Contract Account, Contractee's Account and also show calculation of work-in-progress?

Q 6. You are provide with the following figures/ratios worked out from the Profit and Loss Account for the year ended 31st December, 2001 and a balance sheet as at that date of Practical Industrial Limited:

	Rs.
Cost of goods sold	630,000
Stock of finished goods turnover	6
Gross profit on sales	25%
Net Profit to sales	8%
Debtors Collection period (assuming 360-day year)	45 days
Current Ratio	2.4
Quick Ratio	1.0
Stock of Raw Materials .... (in terms of number of months consumption)	3.0 Months
Material consumed to sales	30%

REQUIRED: Calculate the value of the following

(a) Current Liabilities (b) Quick Assets (c) Debtors
(d) Current Assets (e) Stock of Finished Goods

Q 7. The following is the Balance Sheet XYZ Co. Ltd. on 31st December 2011:

Liabilities	Rs.	Assets		Rs.
Share Capital		Land and buildings		100,000
20,000 shares of Rs.10 each	200,000	Plant and machinery		150,000
Debentures	100,000	work-in-progress		30,000
Sundry creditors	30,000	Stock	60,000	
Reserve fund	25,000	Furniture and fitting	2,500	
Dividend equalization fund	20,000	Sundry debtors	25,000	
P & L Appropriation A/c	5,100	Cash at Bank	12,500	
		Cash in hand		100
	380,100			380,100

The company is absorbed by ABC Co. Ltd. on the above date. The consideration for the absorption is the discharge of the debentures at a premium of 5%, taking over of the liability in respect of the Sundry Creditors and a payment of Rs.7 in cash and one share of Rs. 5 in ABC Co. Ltd. at the market value of Rs.8 per share in the exchange of one charge on XYZ & Co. Ltd. The cost of liquidation of Rs.500 is to be made by the purchasing company.

REQUIRED: Pass necessary journal entries to close the books o accounts of XYZ company and prepare relevant ledger accounts?

Q 8. Abu Bakr Limited had the following balances in their Trial Balance as at 31st December 2009:

Particulars	Debit Rs.	Particulars	Credit Rs.
Land & Building	310,000	Share Capital-fully paid up	400,000
Plant & Machinery	310,000	Share Premium	40,000
Preliminary Expenses..........	15,000	General Reserve	100,000
Stock 1st Jan. 2009	65,000	Profit & Loss A/c	25,000
Purchases	330,000	Bank Loan at 12% taken on 1st July 2009	200,000
Salaries	50,000	Sundry Creditors	35,000
General Expenses	15,000	Sales	600,000
Director Fees	3,000		
Auditors Fees	2,000		
Wages	60,000		
Carriage	5,000		
Manufacturing Expenses	20,000		
Advertising	20,000		
Sundry Debtors	60,000		
Goodwill	90,000		
Bank Balance	45,000		
Total	14,00,000		14,00,000

ADJUSTMENTS

(1) Stock on 31st December 2009 was Rs.65,000
(2) The Managing Director is entitled to a commission of 5% on Net Profit after charging his commission.
(3) General Expenses include prepaid insurance totaling Rs.300.
(4) A provision for income tax is required to be maintained at Rs.15,000.
(5) The directors recommended a dividend at 5%.
(6) Depreciation should be charged at the rate of 10% on Plant & Machinery and 2% on Land & Building.

REQUIRED: Prepare Trading and Profit & Loss Account for the year ended 31st December 2009 and Balance sheet as at that date?

Roll No. …………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

Course Code: **BCO-B12** Course Title: **Auditing**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks

Q.1 Define Auditing. Explain its objects.

Q.2 Define interim audit. Describe its merits and demerits.

Q.3. Define internal control. Explain the principles of internal control.

Q.4. Briefly explain the necessary steps to be taken by auditor in vouching of:

(a) Investment (b) Capital expenditure

Q.5. What do you mean by verification? How would you verify the followings?

(a) Capital (b) Debentures

Q.6. Describe the procedure of appointment of auditors of a Company.

Q.7. What is a Qualified audit report? Give a draft of Qualified report.

Q.8. State and explain the special points to which your attention should be directed in examining the accounting records of a Cement Industry.

Roll No...................

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

Course Code: **BCO-B13** Course Title: **Business Communication& Report Writing**

Time Allowed: 03:00 Hrs. Maximum Marks: 100 Pass Marks: 40%

Note: *Attempt all questions. All questions carry equal marks.*

Q. 1) Discuss the guidelines for good listening and barriers to good listening as well.

or

Define Market Report and state the advantages or function of a market report?

Q. 2) Write Short Notes on the following:

i. Nonverbal Communication
ii. Feedback
iii. Formal and Informal Communication
iv. Noise and Barriers
v. Methods of delivering oral presentation

or

Discuss in detail the parts and composition of Official letters.

Q. 3) Define informative speaking. Describe its kinds and organizations.

or

Define oral presentations. Write down essential steps for preparing good oral presentation.

Q. 4) Draft a sales letter to be sent to your dealers for promoting the sale of a newly designed car that your company has placed in the market.

or

Explain merits of written and oral communication.

Q. 5) The direct approach works best for routine communication when the information is favourable or neutral. Illustrate it.

or

A bad news message varies from a good news message in structure, tone and information. Explain it.

Roll No.……………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

Course Code: **BCO-B14** Course Title: **Business Law**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

1) Define acceptance. Explain its features and discuss its communication.
2) What is difference between cheque and promissory note?
3) Define consideration and also explain features, types and exceptions.
4) What is private carrier? Discuss its important features
5) What are the rules regarding health, safety and security of workers under Industrial Act?
6) What is difference between contract of indemnity and contract of guarantee?
7) Define and explain the various implied condition and warranties in a contract of sale.
8) Write short note on the following
   i. Void agreement
   ii. Contract of indemnity
   iii. Mistake
   iv. Caveat emptor

Roll No..................

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

Course Code: **BCO-B15** Course Title: **Business Taxation**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt total five Questions, while question No.08 is compulsory and attempt four among remaining.

Q. 1. Explain following terms with reference to Income Tax Ordinance 2001.

a) Royalty b) Appellate Tribunal c) Industrial Undertaking

d) Non-Profit Organization e) Turnover

Q. 2. Explain exemption in following case with reference to Income Tax Ordinance 2001

a) Profit on Debt to Attract Foreign Funding b) Foreign Source Income of Returning Expatriates. c) Amount of Gratuity d) Perquisites Received by Employee

e) Income of Venture Capital Company

Q. 3. Define Agriculture Income. What are the types of Agricultural Income? Give examples of agricultural, Non-Agricultural Income and Partial Agriculture and partial Non-agriculture Income.

Q. 4. What are the powers and functions of Chief Commissioner Inland Revenue and Commissioner Inland Revenue under the Law?

Q. 5. Discuss the procedure of making appeal to Commissioner Inland Revenue (Appeals) and to the appellate Tribunal.

Q. 6. Explain following terms with reference to Sales Tax Act 1990.

a) Value of Supply b) Produce c) Output Tax d) Zero Rated Supplies

Q. 7. Calculate sales tax liability of a Company for the month of January 2015under Sales Tax Act, 1990:

1. **Taxable supplies to registered person Rs. 1,000,000.**
2. **Taxable supplies to non – registered person Rs. 200,000**
3. **Zero rated supplies include Rs. 300,000.**
4. **Duty and Tax Remission Exports Rs. 200,000**
5. **Exempted supplies Rs. 340,000**
6. **Import value determined for custom duty Rs. 200,000**
7. **Federal excise duty Rs. 30,000**
8. **Custom duty Rs. 20,000**
9. **Purchased from registered person Rs. 500,000**
10. **Purchase of raw material Rs. 200,000**
11. **Amount of electricity bill paid Rs. 40,000**
12. **Purchase against commercial invoice Rs. 34500**

(P-T-O)

Q. 8. Determine the taxable income, tax payable of Mr. ABC. for the tax year ended 30th June 2014 on the basis of following information

Basic Salary	Rs.12,00,000	Profit on sale of Modadrba certificate (holding period within 12 months)	70,000
Bonus	1,50,000	Sale of personal car at profit	2,50,000
Fixed education allowance for children	80,000	Professional book purchased	20,000
Incentive award	1,35,000	Insurance Money received on maturity of policy	1,00,000
Pay in lieu of leave	44,000	Contribution to approved fund during the year	1,00,000
Entertainment Allowance	12,000	Legal expenses incurred during the year	15,000
Donation to bait-ul-Mal	1,20,000		

Rate of Income Tax

Taxable Income	*Rate of tax*	*Taxable Income*	*Rate of tax*
Where tax able income does not exceeds Rs.400,000	0%	Where taxable income exceeds Rs.18,00,000 but does not exceeds Rs.25,00,000	1,40,000+17.5% of the amount exceeding Rs.18,00,000
Where taxable income exceeds Rs.4,00,000 but does not exceeds Rs.7,50,000	5% of the amount exceeding Rs.4,00,000	Where taxable income exceeds Rs.25,00,000 but does not exceeds Rs.30,00,000	262500+20% of the amount exceeding Rs.25,00,000
Where taxable income exceeds Rs.7,50,000 but does not exceeds Rs.14,00,000	17500+10% of the amount exceeding Rs.7,50,000	Where taxable income exceeds Rs.30,00,000 but does not exceeds Rs.35,00,000	362000+22.5% of the amount exceeding Rs.30,00,000
Where taxable income exceeds Rs.14,00,000 but does not exceeds Rs.15,00,000	82500+ 12.5% of the amount exceeding 14,00,000	Where taxable income exceeds Rs.35,00,000 but does not exceeds Rs.40,00,000	475000+25% of the amount exceeding Rs.35,00,000
Where taxable income exceeds Rs.15,00,000 but does not exceeds Rs.18,00,000	95000+15% of the amount exceeding Rs.15,00,000	Where taxable income exceeds Rs.40,00,000 but does not exceeds Rs.70,00,000	600,000+27.5% of the amount exceeding Rs.40,00,000
		Where taxable income exceeds Rs.70,00,000	14,25,000+30% of the amount exceeding Rs.70,00,000

Roll No……………..

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

Course Code: **BCO-B16** Course Title: **Cost Accounting**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

Q.1. Care Pharmacy obtains patents of medicine on the condition that a royalty equal 23% of the sales price shall be paid to inventor of the medicine. It is expected that during the year 40,000 bottles of the medicine will be sold. Estimated cost for the above mentioned sales volume is as under:

Estimated Cost	Total	Per Bottle
Materials	Rs.1,770,000	Rs.35.40
Labor	300,000	6.00
Factory overhead	150,000	3.00
Marketing expensed (other than royalty)	750,000	15.00
Administrative expenses	250,000	5.00
	Rs.3,220,000	Rs.64.40

Company wants to earn 31% net profit on every unit sold.

Required: (a) Compute the sales price per unit.

(b) Compute total royalty payable for sale of 40,000 bottles.

(c) Prepare estimated income statement for the above mentioned medicine.

Q.2. Jhelum Industry Limited purchases an item of raw materials in lots of 9,600 units which is a six months supply. The cost per unit is Rs.40.00, ordering cost is Rs.75 per order and carrying cost is 20%.

Required: How much can the company save per year by buying in the most economical lots?

Q.3. University Fabricators is producing lot No. 657, which called for 2500 dresses style No. 34 incurred costs as follows:

Material Cost	Rs. 2.00 per dress
Direct Labour Cost	Rs. 1.20 per dress
Factory Overhead Cost	Rs. 1.60 per dress

When the lot was completed, inspection rejected 200 spoiled dresses which were sold for Rs. 3.00 each.

Required: (a) Journal Entries, if the loss is to be charged to Lot No. 657.

(b) Journal Entries, if the loss is to be charged to all production.

Q.4 From the following data, prepare a statement showing the cost per day of eight hours of engaging a particular type of labour:

(a) Monthly basic salary plus D. A.	Rs. 400
(b) Leave salary	5% of (a)
(c) Employer's contribution to P.F.	8% of (a) and (b)
(d) Employer's contribution to Group Insurance	2.5% of (a) and (b)
(e) Pro-rate expenditure on amenities to labour	Rs.35 per head p.m.
(f) Working days in a month	25 days

Q.5. Factory overhead variance analysis for the year ended December 31, 2013 showed the following:

Budgeted factory overhead for capacity attained	Rs. 83,500
Volume variance (Cr.)	Rs. 4,200
Budget variance (Dr.)	Rs. 1,800

You are required to calculate:

(a) Actual factory overhead for the year.

(b) Applied factory overhead for the year.

P-T-O

Q.6. Mixing department of Dulux Company during April received 8,800 units from the preceding department at a cost of Rs. 70,400 to which materials are added resulting in 30% increase in number of units. Cost incurred by mixing department during April are: materials Rs. 52,500, labour Rs.17,500 and factory overhead Rs.10,000. On account of normal spoilage 440 units are lost. 9,500 units are transferred to the next department and remaining units are 1/3 complete.

Required: Prepare a cost of production report for the month of April.

Q.7. Z Industries Limited has two production departments A and B and two mutually interdependent service departments X and Y. Cost of service departments are apportioned on the basis of following percentages :

	A	B	X	Y
Service dept. X	50%	30%	—	20%
Service dept. Y	40%	50%	10%	—

Following figures of departmental costs are available after the primary distribution.

Department A	Rs. 15,750	Department B	Rs. 7,500
Department X	Rs. 11,750	Department Y	Rs. 5,000

Required: Calculate total factory overhead of production departments by preparing a work sheet showing the secondary distribution using :

(*i*) Repeated distribution method.
(*ii*) Simultaneous Equation.

Q.8. Bring out clearly the significance of each of following cost classifications and explain the meaning of the terms used therein:

a. Direct and indirect.

b. Variable and Fixed.

c. Controllable and Uncontrollable.

Roll No..……………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com **Part 2nd** Annual 2016

Course Code: **BCO-B17** Course Title: **Economics of Pakistan**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks

Q.No.1- what are the causes of low per capita income in Pakistan.

Q.No.2- Discuss the role of Education in Economic Development.

Q.No.3- what are the causes of the food problem in Pakistan? Suggest solutions for this problem

Q.No.4- Define land tenure system? What are the defects of land tenure system in Pakistan?

Q.No.5- Explain the impacts of globalization on Pakistan.

Q.No.6- Discuss the importance of transport and communications in a country?

Q.No.7- Describe the disadvantage of foreign aid for less developed countries?

Q.No.8- Write short note on any two of the following.

a) Causes of Population explosion in Pakistan.
b) Human resource development
c) Unemployment
d) Cooperative farming in Pakistan.

Roll No..……………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 2nd** Annual 2016

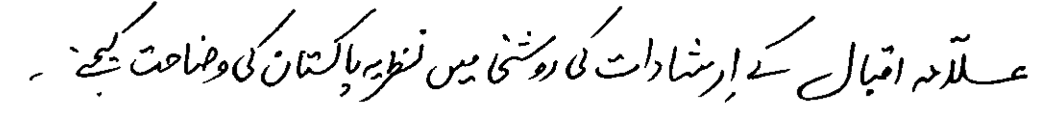
Course Code: **BCO-B18** Course Title: **Pakistan Studies**

Time Allowed: 01:30 Hours Maximum Marks: **40** Pass Marks: 40%

Note: *Attempt any two questions. All questions carry equal marks.*

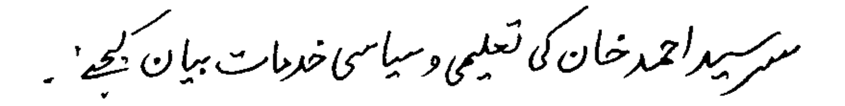
Q.No.1

Explain the Ideology of Pakistan in the light of sayings of Allama-Iqbal.



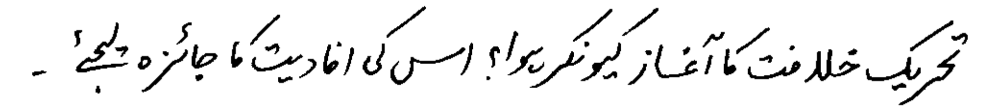
Q.No.2

Discuss the Educational and Political Services of sir Syed Ahmad Khan



Q.No. 3

Why was the Khilfat Movment started? Analyzed its achievements?



Q.No. 4

What are the hurdles in the way of industrial development in Pakistan? ?Suggest the measures of enhancing it.

پاکستان میں صنعتی ترقی میں حائل رکاوٹیں کیا ہیں؟ اس کو بہتر بنانے کے
اقدامات تجویز کیجئے۔

Roll No. …………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com | **Part 1st** | Annual 2016

Course Code: **BCO-A11** | Course Title: **Business Statistics & Mathematics**

Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks. Attempt at least two questions from each section.

Section- 1

Q No. 1 The height of college students are given below:-

Height	57 - 59	60 -62	63 -65	66 -68	69 -71	72 -74
No. of students	8	15	27	18	19	3

(a) Calculate Geometric mean.
(b) Draw a Histogram.
(c) Calculate Variance and Coefficient of Skewness.

Q No. 2 (a) The price of wheat is given below. Compute the chain indices using 1991 as base year:-

Year	1991	1992	1993	1994	1995	1996	1997	1998
Price	112	124	130	160	160	172	240	240

(b) Find out the regression equation Y on X and correlation for the following data.

X	100	150	200	250	300
Y	155	175	215	235	265

Q No. 3(a) An integer is chosen at random from first 100 integers. Find the probability that the integer is divisible by 8 or 12.

(b) A sample of size 3 is to be selected without replacement from a population 0, 3, 6, 9 and 12. Find the sampling distribution of the mean. Also calculate mean and variance of the distribution and verify the results.

Q No. 4 (a) Define sampling. What are its main advantages?

(b) The results of the use of two drugs of a disease are as follows:-

	Recovered	No Change	Died
Drug A	40	18	12
Drug B	50	8	7

Test the association by using Chi- Square Test.

Section 2

Q No.5 (a) Obtain the sum of all first 1000 integers which is neither divisible by 2 nor 5.

(b) Find three consecutive numbers in G. P. whose sum is 26 and their product is 216.

Q No. 6 (a) Find the compound interest on Rs.27000 for 4 years at 5 % per annum.

(b) Solve the system of equations with the help of matrices

$$2X + Y + Z = 1$$
$$X - 2Y - 3Z = 1$$
$$3X + 2Y + 4Z = 5$$

Q No. 7 (a) Find two numbers with sum equal to 16 and product is 60.

(b) Solve the following equation

$$X^2 + 15X = 50$$

Q No. 8(a) On a cut price shop, the price of book was Rs. 450 which is 30% less of the original price. Find the original price.

(b) Solve the set of equations

$$X + 2Y = 11, \quad 2X - 3Y = 18$$

Roll No. ………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 1st** Annual 2016
Course Code: **BCO-A12** Course Title: **Computer Applications in Business**
Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

Q. No. 1
a) Write a note on CPU. Also discuss the functionality of major parts of CPU. (10)
b) Write note on following types of computers. (10)
(i) Analog Computers. (ii) Digital Computers (iii) Hybrid Computers

Q. No. 2
a) Different types of computer memories are used to store the data. Write a note on Cache Memory. What is its purpose? (10)
b) Differentiate between Primary storage and Secondary storage. (10)

Q. No. 3
Define Data Communication. What are the basic elements of Data Communication? (20)

Q. No. 4
What is meant by booting process of a computer? What are different steps of booting a computer? (20)

Q. No. 5
a) What is computer Network? Write major advantages computer network. (10)
b) Differentiate between Peer-to-Peer network and Client-Server network. (10)

Q. No. 6
a) What is meant by data processing? Write a note on data processing lifecycle. (10)
b) Write the advantages of data processing in business organizations. (10)

Q. No. 7
Define computer languages. What is difference between procedural and object-oriented languages? (20)

Q. No. 8
a) What is an internet? What services are provided by internet. (10)
a) Write a note on search engines. Write at least three popular search engines. (10)

Roll No. …………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. **Part 1st** Annual 2016

Course Code: **BCO-A13** Course Title: **Economics**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

Q.No.1: Critically examine Marshall's definition of Economics? (20)

Q No.2: Explain consumer's equilibrium with the help of Indifference curve and budget line? (20)

Q.No.3: Explain the difference between the following terms:

i. Contraction in quantity demanded and fall in demand

ii. Extension in quantity demanded and Rise in demand *(10+10)*

Q.No.4: Define elasticity of demand. How is it measured? (5+15)

Q.No.5: What is perfect competition? Explain firm's equilibrium under perfect competition in the short run? *(4+16)*

Q.No.6: State and explain the Marginal productivity theory of distribution with the help of schedule and diagram? (20)

Q.No.7: Define national income and explain the any two methods used for the estimation of national income? *(5+15)*

Q.No.8: If $Qd = 5 - P^2$ and $Qs = 2P - 3$ are demand and supply functions respectively. Then, find Elasticity of demand and Elasticity of supply at equilibrium price and equilibrium quantity. (10+10)

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com | **Part 1st** | Annual 2016

Course Code: **BCO-A14** | Course Title: **Financial Accounting**

Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

Question # 1 A sold goods to B for Rs. 50, 000 and drew on B a bill for the amount at 3 months. A endorsed the bill to his creditor C. C endorsed it to his creditor D. D got the bill discounted by his bank at 12% p.a. On maturity, the bill is dishonored and bank pays Rs. 50 for noting charges.Pass entries in the books of A, B, C, D.

Question # 2 On 31st March, 2011, the Cash Book of Mr. Aqeel shows Rs.33, 436 as bank balance. But it does not agree with the balance as shown by the Pass Book. On comparison, you Find the following discrepancies:

(1) The payment side of the cash book was under cast by Rs. 400.
(2) A cheque issued for Rs: 524 on 25 th March, was recorded in the cash column of the cash book.
(3) A cheque of Rs. 600 deposited was recorded in the cash column of the cash book.
(4) On 20th March, the debit balance of Rs. 6, 104 as on the previous day was brought forward as credit balance.
(5) Of the total cheques amounting Rs. 46, 056 drawn in the last week of March 2011, cheque totaling Rs. 31, 260 encashed in March.
(6) Dividend of Rs. 1. 000 collected by the bank was not entered in the cash book.
(7) Trade subscription of Rs. 400 paid by the bank was not recorded in the cash book.
(8) One outgoing cheque for Rs. 1, 400 was recorded twice in the cash book.

Prepare a Bank Reconciliation Statement with the help of revised cash book as at 31 st March, 2011.

Question # 3 In taking out the Trial Balance the accountant finds that the total of the credit side exceeds that of debit side by Rs.2,410. He places the difference to a suspense account subsequently detects the following mistakes:

(i) Stationary purchased for Rs. 890 but debited to stationary account as Rs. 980.
(ii) A sum of Rs. 650 received from Alain was credited twice in his account.
(iii) Wages Rs. 250 paid to installing a machine ware debited to wages account as Rs. 520.
(iv) A sale of Rs. 350 was entered in the purchase book as Rs. 530 but customer's account was correctly debited with Rs. 350.
(v) A sale of Rs. 1, 000 to Fawad was credited to his account twice.
(vi) Old furniture sold for Rs. 6,000 was passed through sale book.

Give the rectifying entries and prepare the suspense account.

Question # 4 Enter five imaginary transactions in Journal, post them in ledger and prepare trial balance.

Question # 5 Write short notes on:

(i) Cash discount and trade discount.
(ii) Fixed installment method and Diminishing balance method of depreciation.
(iii) Work sheet and income statement.
(iv) Capital expenditures and revenue expenditures.

Question # 6 Ali and Babar are partners in a firm sharing profits and losses as Ali 3/4 and Babar 1/4 on January, 2011 their position was as given below;

Assets	Rs	Liabilities	Rs
Plant	80, 000	Capital Accounts:	
Stock	20, 000	Ali	100, 000
Debtors	60, 000	Babar	60, 000
Cash at bank	40, 000	Sundry creditors	40,000
	200, 000		**200, 000**

P-T-O

Usman is now to join the partnership. He agrees to pay the partners Rs. 40. 000 by way of goodwill and introduce 3/5 of the combined capital of the two existing partners after depreciating plant and stock at 20% and 10% respectively and raising a reserve of 10% against sundry' debtors. The new partner is to be allowed 114th share of the profits of the firm.
You are asked to record the above transactions in the books of the firm and give the resultant Balance sheet of the new firm.

Question # 7 The following are the assets and liabilities of Mr. Qaiser at the end and beginning of the year 2011, under single entry system

	As at 31 st Dec 2011	As at 1 st Jan 2011
Land and building	58. 800	60. 000
Plant and Machinery	120. 000	96, 000
Furniture and fixtures	16, 200	16, 000
Stock in trade	56. 000	30. 000
Sundry debtors	310. 000	280, 000
Sundry creditors	150, 000	145, 000
Loan from bank	100. 000	120. 000
Other outstanding liabilities	80. 000	90, 000
Cash at bank	32, 000	36, 000

During the year Mr. Qaiser had withdrawn Rs. 6, 000 in cash and Rs. 3, 000 in goods from the business. He had also introduced Rs.100, 000 as additional capital. A machine book value Rs. 25.000 had been sold during the year for Rs. 30, 000 and new machine costing Rs.58, 000 was purchased in replacement. New furniture costing Rs.2. 000 was purchased during the year. Prepare a statement of profit and loss for the year ended December 31 2011

Question # 8 From the following Trail Balance and adjustments, you are required to prepare Trading and Profit and Loss Account for the year ended 31st December, 2011 and a Balance Sheet as on 31.12.2011.

Debit Balances	Rs.	Credit Balances	Rs
Cash at bank	31, 800	Capital	420, 000
Cash in hand	4. 800	Sundry creditors	60. 000
Closing stock	180. 000	Bills payable	30. 000
Plant and machinery	450, 000	Sales	1.390, 200
Bills receivable	30. 000	Provision for bad debts	2, 100
Sundry debtors	303.600	Reserve	120, 000
Purchases (adjusted)	540, 000		
Buildings	300, 000		
Salaries	66. 000		
Wages	86. 400		
Postage & telegrams	4, 500		
Carriage inward	4. 500		
Bad debts	5, 700		
Carriage outward	6, 000		
General expenses	9, 000		

Adjustments:
(i) Salaries unpaid Rs. 54, 000
(ii) Charge 5% interest on capital
(iii) Raise Bad debts provision to 2.5% of debtors
(iv) Transfer 2.5% of net profit to reserve a/c
(v) It was discovered in January 2011 that the stock on 31 st December, 2010 was over cast by Rs. 6, 000.

Roll No. ………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com. | **Part 1st** | Annual 2016

Course Code: **BCO-A15** | Course Title: **Functional English**

Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 40%

Note: *Attempt any five questions. Three questions from Section A and Two question from section B. All Question carry equal marks.*

SECTION A

Q.1- (a): Give short answers to the following questions: (10, 10)

i- What kind of sentence would one use to make a request? Give example.
ii- What is compound sentence? Give example.
iii- Define adverb of frequency and give an example.
iv- Define the structure of a third conditional sentence and give an example.
v- Define predicate. Give example.

(b) Do as directed:

i- Seeing is believing. (Point out mood)
ii- He slept well the whole night. (point out adverb)
iii- Her hand writing is good. (Change the adjective into adverb)
iv- His friendly behavior pleased me. (change the adjective into abstract noun)
v- Where there is a will, there is a way. (what is there in grammar?)

Q. 2- (A) Change the number of the following: (5,5,5,5)

(i) Commanders-in-chief (ii) Handkerchief (iii) a people (iv) Passer-by (v) Stepson

(B) Change the gender:

(i) manager (ii) baron (iii) ox (iv) Sultan (v) heir

(C) Give antonyms:

(i) grant (ii) follow (iii) noisy (iv) summary (v) passionate

(D) Convert the following into nouns:

(i) gay (ii) remove (iii) share (iv) classify (v) long

Q. 3- (A) Fill in the blanks with suitable prepositions: (5,5,10)

i- You should stick ------------- your principles.
ii- She leaned ------------------ the wall.
iii- the cat jumped ------------- the wall.
iv- We are looking forward -------------- your arrival.
v- She is good ----------------- English.

(B) Supply the correct form of verb:

i- Contact me when you (come) back.
ii- If they asked, I (provide) them the information.
iii- I just (arrive) here.
iv- He (come) to see you yesterday?
v- The higher we (go), the cooler it was.

(C) Change the narration:

i- He said, "Can you help me?"
ii- She said, "How is it possible?"
iii- They have asked me to guide them in case of emergency.
iv- The people shouted, "Long live Pakistan!"
v- The headmaster said to his colleagues, "Could you please provide me your reports by tomorrow?"

Q. 4- (A) Change the voice: (10,5,5)

i- The thieves were arrested.
ii- It is time to leave for station.
iii- He has married her after his heart.
iv- He lent me a book for a month.
v- How long have you taken exercise?

(P-T-O)

(b) Give one for the following expressions:

i- a style marked with excessive use of words

ii- persons or animals having the characteristics of both sexes

iii- to make unlawful intrusion on

iv- a man who thinks only of himself

v- system of writing or printing for the blind

(C) Give articles if needed:

i- He studies in ------------------ University.

ii- Is he at --------------------- home?

iii- Iqbal is regarded as ----------- Poet of the East.

iv- He is growing ------------- weaker and weaker.

v- Honesty pays in --------------- long run.

Q. 5- (A) What is a clause? Give kinds and examples of clause. (10,5,5)

(B) Name the parts of speech in the following sentence:

All that glitters is not gold.

(C) Fill in the blanks with correct words:

i- You should ---------- your nails fortnightly. (pare, pair)

ii- He ----------- a verse from the Holy Quran. (Cite, Site)

iii- Keats was an ----------------- poet. (imaginary, imaginative)

iv- Her --------------- was injured. (heal, heel)

v- He works in the university as an ------------- teacher. (honorable, honorary)

SECTION B

Q.6- What is a precise? How can we write a good précis? 20

Q. 7- Read the following passage and answer the questions at the end. 20

Most of us enjoy a detective story at times, partly because we like to watch the unraveling of tangled mystery, partly because the study of crime is fascinating. We like to hear the detective how he discovered the clue, how he deduced thing or that and how he pieced the whole story together like a jig-saw puzzle. Sherlock Holme was the first popular detective in English fiction. All detectives are very keen observers. Sherlock Holme could tell a man's trade or occupation by looking. A detective must be able to reason quickly and accurately: he must see with his mental as well as physical eye. All detectives talk about deducing things. Sherlock Holmes used to 'deduce' a man's character by an examination of his watch, his walking stick or his hat. His idea was that every criminal leaves behind a number of traces of his crime. It is the detective's business to notice and interpret them. He must start with given facts or clues and reason backward. The exercise requires the dame sort of reasoning that a boy uses to solve a mathematical problem.

i- Why are detective stories popular?

ii- What are the qualities of a good detective?

iii- How did Sherlock Holmes study crime?

iv- Suggest a suitable title for the passage and make a precise of it.

Q. 8- Write an essay (250-300 words) on any one of the following topics: (20)

a- Energy Crisis

b- Inflation

c- Corruption

d- An International Cricket Match

Roll No……………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com | **Part 1st** | Annual 2016

Course Code: **BCO-A16** | Course Title: **Introduction To Business**

Time Allowed: 03:00 Hours | Maximum Marks: 100 | Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

1. Define business. Discuss the different objectives of business.
2. Define sole proprietorship. Discuss merits and demerits of sole proprietorship.
3. Define partnership. Discuss the various rights, duties and liabilities of partners under the partnership act. 1932.
4. What is meant by Joint Stock Company? Discuss the procedure of formation of Joint Stock Company.
5. Define channel of distribution. Explain the points which effect the selection of distribution channel.
6. Define co-operative society. Discuss its merits and demerits in detail.
7. What is marketing? Discuss the functions of Marketing in detail.
8. Define Stock Exchange. Discuss the functions of Stock Exchange.

Roll No. ………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.Com **Part 1st** Annual 2016

Course Code: **BCO-A17** Course Title: **Money Banking & Finance**

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 40%

Note: Attempt any five questions. All questions carry equal marks.

Q #1 Define a bank and discuss importance of banks in modern economies.

Q #2 What is a central bank? Discuss important functions of a central bank.

Q #3 Define a letter of credit. What are advantages and disadvantages of a letter of credit.

Q #4 Define inflation. Discuss important causes of inflation in Pakistan.

Q #5 What is money? Explain various functions of money.

Q #6 Define a trade cycle? Explain different phases of a trade cycle

Q #7 What is privatization of banking? Discuss advantages and disadvantages of privatization of banks in Pakistan.

Q #8 What is business finance? Explain various sources of business finance.

Roll No. ……………..

GOVERNMENT COLLEGEUNIVERSITY, FAISALABAD

B.Com Part 1st Annual 2016

Course Code: **BCO-A18** Course Title: **Islamic Studies / (Ethical behavior for Non-Muslim)**

Time Allowed: 02:00 Hours Maximum Marks: **60** Pass Marks: 40%

***Note**: - Attempt all questions.*

س۱: درج ذیل سوالات میں سے 6 کے مختصر جوابات تحریر کریں۔

i. غار حرا کہاں واقع ہے۔

ii. قرآن مجید کی کل کتنی آیات ہیں۔

iii. حدیث کی تین اقسام لکھیں۔

iv. صحیح بخاری کس کی تصنیف ہے۔

v. عقائد اسلام کی تعداد لکھیں۔

vi. متقین سے کون لوگ مراد ہیں۔

vii. الصلوٰۃ عماد الدین کا ترجمہ لکھیں

س۲: قرآنی آیات میں سے ایک کا ترجمہ و تشریح لکھیں۔

(ا) لِلّٰهِ مَا فِي السَّمٰوٰتِ وَمَا فِي الْاَرْضِ (ب) لَقَدْ كَانَ لَكُمْ فِيْ رَسُوْلِ اللّٰهِ اُسْوَةٌ حَسَنَةٌ۔

س۳: درج ذیل احادیث میں سے ایک کا ترجمہ و تشریح لکھیں۔

(ا) خَيْرُكُمْ مَنْ تَعَلَّمَ الْقُرْآنَ وَعَلَّمَهٗ (ب) اِنَّمَا الْاَعْمَالُ بِالنِّيَّاتِ۔

س۴: ارکانِ اسلام پر نوٹ لکھیں یا اسلامی تہذیب کی خصوصیات بیان کریں۔

س۵: آپ ﷺ کی مکی زندگی کے حالات بیان کریں یا

ہجرت مدینہ کے اسباب واقعات اور نتائج بیان کریں۔

اخلاقیات ETHICS (غیر مسلم طلباء کے لئے) کوئی سے 3 سوالوں کے جوابات دیں

س۱: مسیحیت کی اخلاقی تعلیمات کی وضاحت کریں۔

س۲: حضرت عیسیٰ علیہ السلام کے حالات زندگی بیان کریں۔

س۳: اسلامی ریاست میں اقلیتوں کے کیا حقوق ہیں۔

س۴: الہامی مذاہب امن و امان کا درس دیتے ہیں وضاحت کریں۔

س۵: اخلاقی تعلیمات کا مذہب سے کیا تعلق ہے۔

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Statistics

Course Title: Statistics Paper: A

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%(25)

Note:- **Attempt any five questions in all, at least two questions from each section.**

Scientific calculators and statistical tables are allowed

SECTION-I

Q-1 a) Differentiate between primary and secondary data. Describe briefly methods of collecting Secondary data.

b) Construct a stem and leaf display for the following observation.

96	93	88	68	84	75	82	68	90	73	85	75	61	65	75
87	74	62	95	95	69	74	68	60	96	78	89	61	75	83

Q-2 a) Prove the general formula connecting the moments about mean with the moments about origin

$$\mu'_r - r\mu'_1\mu'_{r-1} + \frac{r(r-1)}{2!}(\mu'_1)^2\mu'_{r-2} - \ldots\ldots..$$

. -

b) Given n=10 $\sum X^2=260$ and $S^2=10$ find coefficient of variation.

c) The first three moments of distribution about the value 2 of the variable are 1, 16 and -40.Show that the mean is 3, the variance 15 and $m_3=-86$

Q-3 a) Prove that the simple aggregate value index number $\left[i-e\sum P_n q_n / \sum p_o q_o\right]$ satisfies the time reversal Test and circular test but do not satisfy the factor reversal test.

b) Calculate the Consumer Prince Index Number for 1994 on the basis of 1990 using

(i) Aggregate Expenditure Method (ii) Household Budget Method

Commodity	Quantity Consumed	Unit of Price	Price	
			1990	1994
Wheat	20kg	Rs per 40kg	200	240
Rice	8 kg	Rs per 40 kg	800	880
Sugar	4 kg	Rs per 40 kg	400	480
Ghee	1 kg	Rs per kg	30	40
Milk	25 litters	Rs per litter	10	12
Vegetables	16 kg	Rs per kg	200	240
Mutton	5 kg	Rs per 40 kg	100	120
Fuel	100 kg	Rs per 40 kg	800	920

Q. 4 (a) State the properties of correlation coefficient.

(b) If the equations of the least squares regression lines are:

Y=15-1.96(Yon X) and Y=15.91-2.22X (X on Y), Find the product moment coefficient of correlation.

Q. 4 (c) Given

$$U = \frac{x-1250}{500} \text{ and } V = \frac{y-500}{200};\ n = 66, \sum fu = -4, \sum fu^2 = 109, \sum fv = -53$$

$$\sum fv = -53 \sum fv^2 = 115 \sum fuv = 91$$

Find i) Coeffient of Correlation ii) Regression oline of Y on X

Q. 5 (a) Define the following (i) Secular Trend (ii) Deseasonalization of data.

(b) Compute the seasonal indices for the four quarters by the method of ratio-to-moving averages.

Also deseasonalize the data for 1950.

Year	I	II	III	IV
1949	105	77	68	95
1950	107	83	74	106
1951	117	99	86	112

Section- II

Q. 6: (a) Define (i) Sample Space (ii) Mutually Exclusive Events (iii) Exhaustive Events.

(b) In a high school graduating class of 100 students, 54 studied Mathematics, 69 studied History, and 35 Studied both Mathematics and History. If one of these students is selected at random, find the probability that the student took Mathematics or History.

(c) If and B are any two events defined on a sample space S, show that

$$P\left[\left(A\cap\overline{B}\right)\cup\left(B\cap\overline{A}\right)\right]=P\left(A\right)+P\left(B\right)-2P\left(A\cap B\right)$$

Q. 7 (a) Two dice are cast; $E_1$1 is the event that a "6" appears on at least one die, E_2 is the event that a "5" appears on exactly on die and E_3 is the event that same number appears on both dice (i) Are E_1 and E_2 independent (ii) Are E_2 and E_3 independent (iii) Are E_1 and E_3 independent.

(b) Three urns of the same appearance have the following proportions of white and black balls: Urn A: 1 white, 2 black balls. Urn B: 2 white, I black ball. Urn C: 2 white, 2 black balls.

One of these urns is selected at random and a ball is drawn from it. IT turns out to be white. What is the probability that urn C was chosen?

Q. 8 (a) Define a discrete random variable and explain what is meant by a discrete probability distribution.

(b) If X and Y are random variables, then show that E(X+Y) =E(X) +E(Y)

(C) If the joint probability distribution of X and Y is given by (x,y)= $\frac{x+y}{30}$ for x=0,1,2,3:y=0,1,2,. Find marginal probability functions of X and Y. Also find E(X) and E(Y)

Q. 9 (a) Write properties of the Binomial experiment.

(b) Find the Mean and Variance of the Poisson distribution.

(c) A committee of size 5 is to be selected at random from 3 women and 5 men. Find the probability distribution for number of women on the committee. Also find mean and variance.

Q. 10. (a) If the probability distribution of the r.v. X is given by f(x)= $\begin{cases} k\sqrt{x} & , for\ 0<x<1 \\ 0 & otherwise \end{cases}$

Find (i) the value of k (ii) the distribution function of X (iii) $P(0.2 \leq X \leq 0.3)$ using distribution funciont

(b) In a normal distribution with μ =47.6 and σ =16.2, find (i) Two points containing the middle 95% Area (ii) P_{30} (iii) D_7

Model Paper

Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Statistics

Course Title: Statistics Paper: B

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33 %(25)

Note:- *Attempt any five question in all, at least two questions from each section. Use of Scientific calculators and statistical tables are allowed*

SECTION-I

Q.1 a) Define i) Simple Random sampling ii) Stratified Random Sampling iii) Systematic Random Sampling

b) The height of students is approximately normally distributed with a mean of 175 cm and a standard deviation of 7 cm. If 250 random samples of size 30 are drawn from this population, determine the number of sample means that fall between 172 and 176 cm inclusive. Means are recorded to the nearest centimeter.

Q. 2 a) A stratified random sample of size 90 is to be taken from a group of 2000 persons including 600 who are not Junior College or college graduate, 800 who are only Junior College graduate, 400 who are College graduate but hold no advance degree and 200 who hold advanced degrees. What part of the sample should be allocated to each of these strata, if the allocation is to be proportional.

b) It is believed that 16% of the household in city A have at least one preschool child. The such proportion in city B is believed to be 11%. If these figures are accurate, what is the probability that a random sample of 200household from city A and an independent random sample of 225 households from city B will yield a difference in sample proportions ($(\rho_{A-}\ \rho_B)$ as large as 0.10?

Q.3 a) Define i) Type I and Type II errors

ii) Level of Confidence and Power of the test

b) A drug was administered to 10 patients and the increment in their blood pressure were recorded to be 6,3, -2,4,-3.4,5,6,2. Is it reasonable to believe that the drug has No effect of change of blood pressure Use α = 0.05

Q. 4 a) Differentiate between

i) Simple and Composite Hypotheses

ii) Point and Interval Estimation.

b) A manufacturer claimed that 90% of the machine parts that is supplied to a factory conformed to specifications. An examination of 200 such parts revealed that 168 parts are not faulty. Determine whether the manufacturer's claim is legitimate at the 01% level of significance.

c) A factory is producing 50,000 pairs of shoes daily. From a sample of 500 pairs, 2% were found to be of substandard quality. Estimate the number of pairs that can be reasonably expected to be spoiled in the daily production and assign limits at 99% level of confidence.

Q. 5 a) Define F-Statistic and state its assumptions.

b) Two groups of executive are given a test to measure their levels of extroversion. Group I consists of 25 executives who started their careers as extroversion. Group I consists of 25 executives who stated their careers as salespersons. Group II consists of 30 executives who stated their careers as accountants. The Means and Variances computed from the sample data are $\overline{X}_1 = 58, S_1^2 = 80, \overline{X}_{II} = 67, S_{II}^2$ 35.

i) Population of scores represented by Group I is more variable than that represented by Group II

ii) Population variability of scores represented by Group I is greater than 70.

SECTION-II

Q. 6 a) The following frequency distribution shows the number of deaths from overdoses of narcotics.

Age	15-19	20-24	25-29	30-34	35-39	40-44	45-49
No. of deaths:	40	36	33	11	15	14	05

Test the hypothesis that equal number die in all age groups.

b) A certain drug is claimed to be effective in curing colds. In an experiment on 166 people with colds, half of them were given the drug and half of them were given sugar pills. The patients rection to the treatment are recorded in the following table.

Category	Helped	Harmed	No Effect
Drug	52	11	20
Sugar	44	13	26

Compute the Co-efficient of contingency and interpret the result.

Q.7 a) Differentiate between partial Regression Co-efficient and Partial Correlation Co-efficient.

b) The following are the number of inquiries which a real estate agency received in eight weeks about houses for rent (X) and houses for sale (Y)

X:	60	72	47	38	17	45	33	57
Y:	82	85	62	53	29	50	69	88

i) Find a 95% confidence interval for the population correlations co-efficient

ii) Let Y = $\alpha + \beta X + \varepsilon$, find 90 % confidence interval for Mean—value of Y when X = 50

Q. 8 a) We are given the following calculations:

$\overline{X}1 = 8, \overline{X}2 = 7, X3 = 50 \ S_1^2 15, S_2^2 = 23.33 \, S_3^2 = 668, r_{12} = -0891, r_{13} = -0.969$ $, r_{23} = 0.961, n = 6$

---

b) How many pairs of observations must be included in a sample in order that an observed correlation co-efficient of 0.45 shall have a calculated value of :t: greater than 2.76?

(c) What is the least value of simple correlation co-efficient in a random sample of 30 pairs that is significant at the 0.10 level of significance.

Q. 9 a) Describe what is meant by “Partitioning the total sum of squares”. Partition total sum of squares into the error sum of squares and treatment sum of squares. Find the number of degrees of freedom associated with each of these.

b) The following table gives the yield of a hybrid variety of wheat, in quintals per acre, form 17 trail plots of land treated with four types of fertilizers (A, B, C, D)

A:	24	39	35		
B:	39	41	33	40	45
C:	31	25	26	21	
D:	38	32	35	34	26

Test whether there is any significant difference in the mean yield of wheat due to difference in fertilizer application. Find the value of LSD test to compare treatment A and B.

Q.10 a) Discuss the purpose of Randomization and Replication in the experimental design.

b) Four varieties A, B, C and D of a crop are tested in a randomized block design with five blocks. The layout is given below alongwith the plot yield in brackets against each variety. Analyse the experimental yields and state your conclusions.

	I	B(31)	A(15)	C(20)	D(30)
	II	C(45)	B(11)	D(26)	A(22)

Blocks	III	C(30)	D(44)	B(37)	A(33)
	IV	A(18)	B(31)	C(49)	D(34)
	V	D(21)	A(37)	B(30)	C(36)

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Statistics

Course Title: Statistics Paper: Optional

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any four question. All questions carry equal marks.*

Q.1 a) Explain the difference between the primary and secondary data.

B) From the following data draw a cumulative frequency polygon:

Weight	118-126	127-135	136-144	145-153	154-162	163-171	172-80
F	3	5	9	12	5	4	2

Q. 2 a) Define mean, median and mode.

b) The following table shows the distribution of the maximum loads in short tons supported by certain cables produced by a company:

Maximum loads	9.8-10.2	10.3-10.7	10.8-11.2	11.3-11.7	11.8-12.2	12.3-12.7
No. of cables	7	12	17	14	6	4

Calculate mean, median and mode.

Q.3. a) Define range, quartile deviation and standard deviation.

b) The following are the scores made by two batsmen A and B in a series of innings:

A	12	15	6	73	7	19	199	36	84	29
B	47	12	76	48	4	51	37	48	13	0

Who is better as a run getter? Who is the more consistent player?

Q. 4 a) Define the Co-efficient of variation.

b) Compute Co-efficient of skewness by Bowleye's formula.

Monthly Income (Rs.)	No. of families	Monthly Income (Rs.)	No. of families
110-119	2	160-169	18
120-129	4	170-179	13
130-139	17	180-189	6
140-149	18	190-199	5
150-159	25	200-209	2

Q.5 a) Explain the following terms:

i) Variable ii) Attribute

b) Calculate the value of chi-square and test whether attributes A and B are independent. Use α = 0.05.

Attribute B	Attribute A		
	A1	A2	A3
B1	44	82	44
B2	265	257	171
B3	41	91	98

Q. 6 a) State the properties of regression line.

b) Computer the least squares regression equation of Y on X for the following data

X	5	6	8	10	12	13	15	16	17
Y	16	19	23	28	36	41	44	45	50

Q. 7 a) Define the terms:

i) Correlation ii) positive Correlation

iii) Negative Correlation

b) Calculate the co-efficient of correlation between the values of X and Y given below:

X	78	89	97	69	59	79	68	61
Y	125	137	156	112	107	136	123	108

Q. 8 a) Define population and sample.

b) A finite population consists of 1, 2, 3, 4, 5. Take all possible samples of size 2 without replacement. Obtain the sampling distribution of $\overline{X}$ and verify:

i) $\mu_{\overline{X}} = \mu$

ii) $\sigma_{\overline{x}}^{2} = \frac{\sigma^2}{n}\left(\frac{N-n}{N-1}\right)$

MODEL PRACTICAL PAPER
GOVERNMETN COLEGE UNIVESITY FAISALABAD.
B. SC (COMPOSITE) ANNUAL -2012 SUBJECT: ZOLLOGY –A.

Time Allowed: 3 hours Maximum marks: 20

1. Test the given material for the presence of carbohydrates. Protein and fatty acid. 6
2. Prepare a slide of the given culture and demonstrate various types of protozoa 5
3. Identify and writ Notes on A to D 4
4. Viva voce 3
5. Practical Note Book 2

Key for the Examiner

1. Wheat flour
2. Protozoa culture
3. A. Connective tissues, B. cardiac muscles C. Tadpole larva of frog. D. Gastrula stage of Rabbit

MODEL PRACTICAL PAPER

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.SC. (COMPSITE) ANNUAL – 2012 SUBJECT: ZOOLOGY –B

Time allowed: 3hours Maximum Marks: 20

1. Make permanent slide of material provided. Draw its diagram and label its different
. parts.
4
2. Write phylum and class and at least two adaptations in relations to their habitat for specimen A to E.
3. Write phylum, class, order and at least two adaptations in relation to their habitat for specimen A to E.
4. Viva Voce
5. Note Book

Key for the Examiner

Time allowed: 2 hours

1. Make permanent slide of the material provided. Draw its diagram and label its different parts

i Obelia

2. Write phylum, class and at least two morphological adaptation in relation to their habitat for specimen I to V:

i. Amoeba
ii. Comb jelly
iii. Chiton
iv. Brittle star
v. Scorpion

3. Write phylum, order, and at least two diagnostic characters of the following;

i. Frog
ii. Rabbit
iii. Snake
iv. Pigeons
v. Bat

4. Viva Voce
5. Note Book

MODEL PRACTICAL PAPER

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.SC. (COMPSITE) ANNUAL – 2012 SUBJECT: ZOOLOGY –B

Time allowed: 3hours Maximum Marks: 20

1. Pick out the ________________________ form the skeleton provided to you identify, draw and label its diagram.
2. Dissect the animal provided to you and expose its__________system, draw and label its diagram
3. Viva voce
4. Note Book

KEY FOR EXAMINERS

1. Rabbit________________________Pectoral Girdle
2. Frog _________________________ Arterial system
3. Viva voce
4. Note Book

MODEL PRACTICAL PAPER

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.SC. (COMPSITE) ANNUAL – 2012 SUBJECT: ZOOLOGY –B

Paper a(practical) Time Allowed 4 Hr

Max Marks: 25

Note:

Mark at least three experiments. The examiner will allot you one experiment to perform out of market experiments.

Q. No. 1. Determine the surface tension of water by capillary tube method. 20

Q. No. 2. Determine the frequency of A.C mains by Melde' apparatus. 20

Q. No. 3 Determine the radius of lycopodium particles 20

Q. NO.4 Determine the unknown law resistance by Carey Foster Bridge. 20

Q. NO. 5. Determine the temperature co-efficient of a given resistance 20

Q. NO. 6 Note Book 2 1/2

Q. No. 7 Viva voce ` 2 1/2

MODEL PRACTICAL PAPER

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

B.SC. (COMPSITE) ANNUAL – 2012 SUBJECT: ZOOLOGY –B

Paper B(PRACTICAL) Time Allowed 4Hr

Max Marks: 25

Note:

Mark at least two experiments.

1. Perform only one as allotted by the examiners
2. Write down the brief procedure.

Q. No. 1	Determine the ionization potential of mercury?	20
Q. No.2	Determine the e/m of electron by deflection method?	20
Q. No3	Determine the range of Alpha particles in air?	20
Q. No. 4	Set up an R..L.C series circuit. Draw its frequency?	20
Q. No. 5	Set up a full wave rectifier and study it's wave shapes on the oscillation.	20
Q. No. 6	Note Book	2 ½
Q. No. 7	Viva Voce	2 ½

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Social Work

Course Title: Pakistan Society, its needs & problems Paper: A

Maximum Marks: 75 Time Allowed: 03:00 Hours Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

کوبی سے چار سوال حل کریں تمام سوالات کے نمبر برابر ہیں۔

Q-1 What do you understand by the term culture? Discuss the characteristics of Pakistani culture.

ثقافت کی اصطلاح سے آپکی کیا مراد ہے؟ پاکستان ثقافت کی خصوصیات بیان کریں۔

Q-2 Discuss the importance of political institutions in a society with reference to Pakistan.

پاکستان کے حوالے سے معاشرے میں سیاسی اداروں کی اہمیت پر بحث کریں۔

Q-3 What do you understand by Social change? Identify some of the positive changes in our own society.

سماجی تغیر سے آپکی کیا مراد ہے؟ ہمارے معاشرہ میں ہونے والی تبدیلیوں میں سے کچھ کی نشان دہی کیجے۔

Q-4 What do you understand by health education? Discuss its importance for the rural areas of Pakistan.

تعلیم الصحت سے آپکی کیا مراد ہے؟ پاکستان کے دیہی علاقوں کیلے اس کی اہمیت پر بحث کیجے۔

Q-5 Discuss briefly the problems arising out of Industrialization in Pakistan.

پاکستان میں صنعتی ترقی سے پیدا شدہ مساءل پر مختصرا بحث کیجے

Q-6 What do you understand by overpopulation? How does it affect the socio-economic development of our country.

افراط آبادی سے آپ کی کا مراد ہے؟ یہ ہمارے ملک کی سماجی واقتصآدی ترقی پر کیسے اثر انداز ہو رہی ہے؟

Q-7 How can the problem of beggary be overcome in our country?

ہمارے ملک میں گدا گری کے مسلے پر کیسے قابو پایا جاسکتا ہے؟

Q-8 Writ short note on the following.

a) Adult education

b) The Problem of child labour.

مندرجہ ذیل پر مختصر نوٹ لکھے

الف) تعلیم بالغان

ب) بچوں سے مشقت کا مسلہ

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite)   Annual -2012:   Subject: Social Work

Course Title: Social Work theory & practice   Paper: B

Time Allowed: 03:00 Hours   Maximum Marks: 75   Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

Q-1 "There is close relationship between Islam and Social Work" Explain it.

اسلام اور سماجی بہبود میں بہت قریبی اور گہرا تعلق ہے وضاحت کریں۔

Q-2 Define Social Work. Also discuss its objectives.

سماجی بہبود کی تعر یف کریں۔ نیز اس کے اغراض ومقاصد پر بحث کریں۔

Q-3 Define Social Case work. Also discuss the component of Social Case work.

انفرادی سماجی بہبود کی تعریف کریں۔ نیز اس کے اجزا پر پربحث کریں۔

Q-4 Define Community Development. Also discuss its importance in the uplift of rural areas.

اجتماعی ترقی کی تعریف کریں نیز دیہی علاقوں کی ترقی میں اس کی اہمیت پر بحث کریں۔

Q-5 What do you understand by Social Research? Also explain major Steps in the Research Process.

سماجی تحقیق سے آپ کی کیا مراد ہے؟ نیز اس کے اہم مراحل کی وضاحت کریں۔

Q-6 What do you understand by Medical Social Work? Also discuss the role of Medical Social Worker.

طبی سماجی بہبود سے آپ کی کیا مراد ہے؟ نیز ہسپتال میں ایک طبی سماجی کارکن کے کردار پر بحث کریں۔

Q-7 Define Social Welfare Administration. Also discuss its Importance in Social Welfare.

فلاحی انصرام کی تعریف کریَں نیز سماجی بہبود کے میدان عمل میں اسکی اہمیت پر بحث کر یں۔

Q-8 Write Short notes on any two from the following:-

a) Role of Social Worker in Case Work process.

b) Welfare of the Juvenile Delinquents.

c) Objective of Social Group Work.

درج ذیل میں سے کسی دو پر مختصر نوٹ لکھیںَ

الف) انفرادی سماجی بہبود کے عمل میں ایک سماجی کا رکن کا کردار۔

ب) کم سن خطا کاروں کی فلاح

ج) گروہی سماجی بہبود کے اغراض ومقاصد ۔

Model Paper Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Sociology

Course Title: General Sociology Paper: A

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

مندرجہ ذیل میں سے پانچ سوالات کے جوابات لکھیں تمام سوالات کے نمبر یکساں ہیں

Q-1 Discuss the subject matter, with examples. of Sociology.

عمرانیات کا نفس مضمون، پر بحث کریں۔ -

Q-2 What is the difference between Competition and Conflict? Explain with examples an the contract the Pakistani society.

معاشرتی ، مسابقت اور تصادم میں کیا فرق ہے؟ پاکستان سوساءٹی سے مثالیں دے کرو ضاحت کیجے -

Q-3 Define social group and explain primary & secondary groups with explain? What are different types of groups? Use example from your everyday life

معاشرتی گروہ کی تعریف کیجے نیز ابتداءی اورثانوی گررہ کی مثالوں سے وضاحت کیجے۔

Q-4 How does a sociologist define Culture? Discuss the culture Uniformity and culture variability in different culture.

ایک ماہر عمرانیات ثقافت کی تعریف کیسے کرتا ہے؟ مختلف ثقافتوں میں یکسانیت اور اختلافات کی وضاحت کریں۔ -

Q-5 How social can be maintained in a society? Give example to explain.

معاشرتی ضبط معاشرہ میں کس طرح قاءیم کیاجاسکتا ہے؟ مثالیں دے کروضاحت کریَں

Q-6 What is meant by personality? Discuss in detail the factors responsible for personality formation.

شخصیت سے کیا مراد ہے۔؟ نیز شخصیت کی تعمیر میں جو عوامل کردارادا کرتے ہیں۔ ان پر تفصیلی بحث کیجے۔

Q-7 What do you mean by social institution? Discuss the functions of family as a basic Institution in context of Pakistan.

معاشرتی ادارہ سے کیا مرادہے؟ پاکستان میں خاندان بطور ابتداءی ادارے کے معاشرتی وظالف بیان کیجے

Q-8 Discuss the factors determining Social Stratification in Pakistan society.

پاکستانی معاشرے میں معاشرتی درجہ بندی کو متعین کرنے والے عناصر پر بحث کیجے۔

Q-9 Write a comprehensive note on any two factors which have brought Socio-Cultural change in Pakistani Society.

کوہی سے دو عوامل جن کی وجہ سے پاکستانی معاشرے میں معاشرتی اور ثقافتی تبد یلی آتی ہے پر مضموں تحریر کیجے۔

Q-10 Write note on any two of the following.

a) Ethnocentrism b) socialization c) Acculturation

کوءی سے دو سوال پر نوٹ لکھیں۔

الف) عصبیت ب) ◌◌◌◌آ◌◌ موزش / سماجی تربیت ج) پذیری

____

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Sociology

Course Title: Sociological Theory research & Problem Paper: B

Maximum Marks: 100 Time Allowed: 03:00 Hours Pass Marks: 33%

_***Note:-*** *Attempt at least one question from each section. And two questions from any section. All question carry equal marks.*

SECTION-I

Q-1 Discuss the theory of “Social Justice” of Imam Ghazali.

امام غزالی کے نظریہ سماجی انصاف پر بحث کیجے

Q-2 How the concept of “Self” explained by Allama Iqbal? Discuss.

علامہ اقبال نے خودی کا تصور کس طر ح بیان کیا ہے؟ واضح کریں۔

Q-3 Describe the types of Authority given by Max Weber. Also give some example.

میکس ویبر نے اتھارٹی کی کون کونسی اقسام بیان کی ہیں؟ مثالیں دیں۔

SECTION-II

Q-4 Describe in detail the process of social research .

معاشرتی تحقیق کے مختلف مراحل کی وضاحت تفصیل سے کیجے

Q-5 Explain the effects of Research on Theory.

نظریہ پر تحقیق کے اثڑات کی وضاحت کیجے

Q-6 What are the Techniques of Data Collection? Explain any one any detail.

مواد کو اکٹھا کرنے کے کونسے طریقے ہیں۔؟ ان میں سے کسی ایک کو تفصیلا بیان کیجےَ

SECTION-III

Q-7 Define Environmental pollution and discuss the causes of Environmental pollution in Pakistan society

ماحولیاتی آلودگی سے کیا مراد ہے۔ نیزپاکستان میں ماحولیاتی آلودگی کی وجوہات تحریر کریں۔ ۔

Q-8 What steps you suggest for the reduction of Poverty?

غربت کو کم کرنے کیلے آپ کونسے اقدامات تجویز کرتے ہینَ؟

Model Paper | Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Sociology

Course Title: Sociology Paper: Optional

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

کوءی سے پانچ سوال کے جواب تحریر کریں۔ ہر سوال کے نمبر برابر ہیَں

Q-1 Define Sociology. Discuss the relationship of sociology with other two social sciences.

عمرانیات کی تعریف کریں۔ عمرانیات کےدوسری معاشرتی ساءنسز میں سے کسی دو کے ساتھ تعلق پر بحث کیجے

Q-2 What do you understand by social interaction? And explain its co-operative elements.

معاثرتی تفاعل سے اپ کیا مراد لیتے یہں؟ نیز معاشرتی تفاعل تعاونی عوامل کی وضاحت کیجے۔

Q-3 Define Role. What is role conflict? Also explain factors responsible for role conflict.

کار منصب کی تعریف کریں۔ تصادم کار منصب کیا ہوتاہے؟ تصادم کار منصب کے عوامل وضاحت سے بیان کریں۔

Q-4 What is Value? Describe its types and also differentiate between cultural and social values with suitable example.

قدر کیا ہوتی ہے؟ اسکی اقسام بیان کریں۔ نیز پاکستانی معاشرہ میں جو ثقافتی اقتدار نمایاں ہیں انکی مثالوں سے وضاحت کیجے۔

Q-5 What is Status? Describe its types with suitable example and also explain determinants of status.

منصب کیا ہوتاہے؟ اسکی اقسام کو مثالوں سے بیان کریں۔ نیز منصب کو متعین کرنیوالے عوامل وضاحت سے بیان کریں۔

Q-6 Define culture. Describe its types and also explain factors responsible for cultural variability.

ثقافت کی تعریف کریں۔ اسکی اقسام بیان کریَں نیز ثقافتی تبدیلی کے عوامل کووضاحت سے بیان کریں۔

Q-7 What do you mean by socialization. Describe the agents of socialization and also discuss the role of socialization In personality development.

تربیت سے اپ کیا مراد لیتے یہں؟ تربیت کے ذرایع بیان کریں۔ نیز شخصیت کی تعمیر میں تربیت کے کردار پر بحث کریں۔

Q-8 Define and distinguish between social and cultural change. What are the factors responsible for social and cultural change? Elaborate.

معاشرتی اور ثقافتی تغیر کی تعریف اور فرق بیان کریں۔ معاشرتی اور ثقافتی تغیر لانے والے عوامل کونسے ہیں؟ وضاحت کریَں

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Psychology

Course Title: General Psychology Paper: A

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

مندرجہ ذیل میں سے پانچ سوالات کے جوابات لکھیں تمام سوالات کے نمبر یکساں ہیں

Q-1 Give a comparison between psychoanalysis and Behaviorism.

تحلیل نفسی اور کرداریت کا موازنہ کریں

Q-2 Describe Experimental Method in detail.

تجرباتی طریقہ کو تفصیلا بیان کریں۔

Q-3 Explain the structure and function of Eye with the help of diagram.

تصویر کی مدد سے آ◌ٓ◌ٓ◌ٓ◌ٓنکھ کی ساخت اور وظاہف بیان کریں۔

Q-4 Define Motivation. Explain two theories of Motivation.

محرک کی تعریف لکھیں۔ محرک کے دونظریات بیان کریں

Q-5 Define Memory. Explain Memory Process in detail.

حافظے کی تعریف لکھیں۔ حافظے کے عمل کو تفصیلابیان کریں۔

Q-6 Describe theories of Emotions.

ہیجان کے نظریات بیان کیریں

Q-7 Explain types of Thinking.

فکرکی اقسام بیان کریں۔

Q-8 Describe different theories of Intelligence.

ذہانت کے مختلف نظریات بیان کریں۔

Q-9 Explains the Jung's theory of personality.

یونگ کے نظریہ شخصیت کی وضاحت کریں۔

Q-10 Writes on the following:

a) Interview b) Depth Perception

مندرجہ ذیل پر نوٹ لکھیں۔

الف) انٹر ویو ب) فاصلے کی ادراک

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject:Psychology

Course Title: Abnormal/Social/Industrial/Criminal psychology Paper: B

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

Q-1 What are the types of PSYCHOLOGICAL TEST? Differentiate and highlight the importance of each.

نفسیاتی آزماءشوں کی اقسام کون سی ہیں؟ ان میں امتیاز کرتے ہوءے اہمیت واضح کریں۔

Q-2 Define “MENTAL DISORDER”. Discuss “PHOBIA”.

ذہنی نزاع کی تعریف کر یں اور تر سنا کیوں کی وضاحت کریں۔

Q-3 Define “DEVELOPMENTAL PSYCHOLOGY”. Explain LONGITUDINAL and CROSS SECTIONAL DESIGN of Study.

نموہی نفسیات کی تعریف کریں۔ طولی اور عرضی نمونہ ہاءے مطالعہ کی وضاحت کریں۔

Q-4 Discuss developmental Phase of “Childhood”.

بچپن کے دور کی وضاحت کریں۔

Q-5 Define “EDUCATIONAL PSYCHOLOGY”. Along with nature and HISTORICAL BACKGROUND.

تعلیمی نفسیات کی تعریف نوعیت اور تاریخی پس منظر پر روشنی ڈالے۔

Q-6 Write short essay on “VOCATIONAL GUIDANCE”.

پیشہ وا رانہ رہنماہی پر مختصر مضمون لکھے۔

Q-7 Define “PREJUDICE”. Discuss its CAUSES & CONTROL.

تعصب کی تعریف کریں۔ اسکی وجوہات اور خاتمہ کی تدابیر پر بحث کریں۔

Q-8 Define “Group”. Discuss PRIMARY & SECONDARY groups.

گروہ کی تعریف کریں۔ بنیادی اور ثا نوی گروہ کی وضاحت کریں۔

Q-9 Define “ORGANIZATIONAL PSYCHOLOGY”. Discuss “PHYSICAL WORK ENVOIRNMENT”.

صنعتی نفسیات کی تعریف کریں۔ اور طبعی ماحول پر روشنی ڈالیں

Q-10 Write Note on any TWO of the Following:-

a) Radio b) T.A.T c) Genius Children

مندرجہ ذیل میں سے کسی دو پر نوٹ لکھیں۔

الف) ریڈیو ب) ٹی ۔ اے۔ ٹی ج) فطین بچے

Model Paper | Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc (Composite) Annual -2012: Subject: Physics

Course Title: Mechanics, Waves, Oscilliation & optics Paper: A

Maximum Marks: 50 Time Allowed: 03:00 Hours Pass Marks: 33 %(16.5)

Note:- *Attempt FIVE questions in all, at least TWO questions from each section*

All question carry equal marks.

SECTION-I

Q-1 a) Explain the vector triple product and show that

$$\vec{A} \times (\vec{B} \times \vec{C}) = (\vec{A}.\vec{C})\,\vec{B} - (\vec{A}.\vec{B}).\vec{C}$$

b) b) if sc afar funckion v = 1 where $\vec{r} = x\,\mathbf{i} + y\,\mathbf{j} + z\,\mathbf{k}$

show that grad v= grad $\left(\frac{1}{r}\right) = \frac{-\mathbf{r}}{\mathbf{r}^3}$

Q-2 a) What is conical pendulum? Derive relation for its time period.

b) What is the greatest acceleration can be generated by a runner if the coefficient of static friction between the shoes and the roads is .95.

Q-3 a) State and prove Parallel Axis Theorem.

b) Find the rotational inertia of a solid rectangular plate about an axis passing through its centre and and perpendicular to its surface.

Q-4 a) Show that force exerted by a uniform thin spherical sheet of mass 'M' on a point mass 'm' when it is outside, is the same as if all the mass of the spherical shell were concentrated at its center.

b) At what altitude above the Earth's surface the value of g is $3/4^{th}$ of its value at the surface of the earth?

Q-5 a) State the basic postulates of special theory of relativity and discuss relativity of time.

b) Derive Einstein's Mass Energy equivalence.

Q-6 Write note any Two of the following:

1) Stock's Theorem 2) Rocket Equation 3) Center of mass of a system of particles.

SECTION-II

Q-7 a) Prove that simple harmonic motion can be described as the projection of uniform circular motion along the diameter of a circle. Find the equation of displacement and velocity of the projection.

b) Prove that the circular motion can be regarded as combination of two identical simple harmonic motions with same amplitude but different in phase by 90°.

Q-8 a) Find the intensity resultant to by analytical treatment in double slit interface experiment and hence workout the conditions for maxima and minima.

b) A double slit experiment is performed with blue light of wavelength 512nm. The slits are 1.2 nm apart and the screen is 5.4m from the slits. How far apart are the bright fringes as seen on the screen?

Q-9 a) What is diffraction grating? Discuss about its dispersion and resolving power.

b) A certain grating has (10)4 slits with a spacing of d= 2.1 µm. It is illuminated with sodium light of Lemda=589 nm. Find the angular position of second and third order maxima.

Q-10 Write notes on any TWO of the following.

1) Physical Pendulum

2) Newton's Ring

3) Circular Polarization

Model Paper

Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc (Composite) Annual -2012: Subject: Physics

Course Code: Phy-302 Course Title: Thermodynamics, Electricity& magnetisms

Time Allowed: 03:00 Hours Paper: B

Maximum Marks: 50 Pass Marks: 33 %(16.5)

Note:- *Attempt FIVE questions in all, Selecting One question from Section-I and FOUR* Question from Section – II.

SECTION-I

Q-1 a) State FIRST LAW OF THERMODYNAMICS and apply it to prove PVr = Constant for an ADIABTIC PROCESS.

b) A measured of amount of heat is added to $2x10^{-3}$ moles of particular ideal gas. As a result, Its volume changes from 63 to 113 cm^3 at constant pressure of 1 atmosphere. Calculate the changes In temperature which has taken place.

c) Explain why a thermo flask is double walled, evacuated and silvered?

Q-2 a) Discuss connection between Entropy and Second law of Thermodynamics in a comprehensive manner and state second law in terms of entropy.

b) Calculate efficiency of fossil fuels power plant that is run by the heat supplied by coal at the rate of 2968 MW to produce useful work at the rate of 755 MW.

c) What factors reduce the efficiency of a heat engine from its ideal value?

SECTION-II

Q-3 a) State the SHELL THEOREMS for a shell of charge having uniform surface charge density and total charge q. Prove these theorems by using Gauss's Law.

b) A hypothetical closed cylinder of radius R is immersed in a uniform electric field E, the cylinder axis being parallel to the field. Find $Ø_E$ for this closed surface.

c) How will you calculate the total charge on a spherical body if ð and R of the sphere are given?

Q-4 a) Discuss the electric potential energy and derive an expression for the change in potential energy between two points.

b) Consider a point charge q = 15 nC and take V=0 at infinity. What is the radius of an equipotent Surface having a potential of 30 V due to charge q alone.

c) What is the effect on measured values of potential difference if we assume that potential of earth Is +100 V instead of zero?

Q-5 a) A potential difference V is applied across the length L of a conductor (with usual parameters R, p, E And J).Define current density J and relate. π (Ω ho)

1) J with p and E 2) E with V and L. Hence prove that p=R (A/l).

b) You are given a Nichrome wire of resistance 14.4. Ω (ohm). The wire is cut into half and the two halves are connected in parallel across 240-V line. Calculate power dissipated.

c) What type of temperature coefficient of resistivity is possessed by?

1. Carbon and 2. Copper. Explain your answer.

Q-6 a) Discuss Growth of charge in RC series circuit and derive an expression for current, charging the Capacitor.

b) The capacitor C charges through a resistance R. After how many time constant does the charge

drop to half of its initial value?

c) Explain why a resistance of a voltmeter should be very large as compared to the resistance across which the potential difference is to be measured.

Q-7 a) A loop of width D and resistance R is dragged with velocity v inside and perpendicular to magnetic Field B. As a result, an emf $\sum$ = BDv is induced in the loop. Show that the rate at which mechanical work will be done is $P= B^2D^2V^2/R$

b) A uniform magnetic field is normal to the plane of a circular loop 10.4 cm in diameter made of copper wire ($R=1.12\ 10 \times 10^{-3}\ \Omega$ .At what rate must the magnetic field change with time if an induced Current of 9.66 A is to appear in the loop.

c) Which quantities are measured in the units of 1) Weber 2) tesla-m^2.

How are these quantities related with each other?

Q-8 a) By using Biot-Savert law, derive an expression of magnetic field (intensity) at . the center of a current Carrying circular loop.

b) A solenoid of certain diameter is 3.14 m long. It has five layers of windings of . . 850 turns each and Carries and carries a current of i= 5 A. What is B at its center?

c) What do the symbols E_o μ_o stand for? How are they related with some constant in free space?

Q-9 a) Derive an expression to calculate inductance per unit length of an air-cored solenoid of lengthe and having n turns per unit length.

b) What must be the magnitude of a uniform electric field if it is to have the same . energy density as that possessed by a 0.50 T magnetic field.

c) Show that the unit of the expression N $\Phi_B /1$s i comes out to be joule /amp².

Q-10 Write a note on any TWO of the followings.

a) Lines of force fields b) capacitors with Dielectric

c) Transformers d) Electromagnetic Waves Spectrum

Model Paper

Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc (Composite) Annual -2012: Subject: Physics

Course Code: Phy-303 Course Title: Electronics, Modern physics & nuclear Physics

Time Allowed: 03:00 Hours Paper: C

Maximum Marks: 50 Pass Marks: 33 %(16.5)

Note:- *Attempt FIVE questions in all, selecting at least one question from Section-I and Three Question from Section – II.*

SECTION-I

Q-1 a) Describe the qualitatively the formation of energy bands in solid and their classification into metal, semiconductor, and insulator.

b) Give the use of P-N Junction diode as a full wave rectifier.

Q-2 a) Describe the input and output characteristics of an NPN transistor in common emitter configuration.

b) Draw the load line and show how it is used to select the optimum quiescent operating point?

Q-3 a) Draw the circuit diagram of a BISTABLE MULTIVIBRATOR and explain its working.

b) Write the mathematical notation, symbol, and truth table of NAND gate.

SECTION-II

Q-4 a) What is Compton Effect? Darien an expression for the change in wavelength of the scattered radiation in the in the Compton Effect.

b) X-Rays with ---- =100pm are scattered from carbon target. Determine the maximum shift in the wavelength -------- of the scattered radiation.

Given data: h=6.63*(10)-34 j.s c= .3*(10)8 (ms) - 1 M_e=9.11*(10)-31 kg

Q-5 a) What is de Broglie's hypothesis? Describe the Davison – Germer experiment to verify this hypothesis.

b) Calculate the de Broglie wavelength of an electron whose kinetic energy is 120eV.Given data: h=6.63*(10)-34 j.s M_e=9.11*(10)-31 kg

Q-6 a) State the Bohr postulates as applied to hydrogen atom. Derive relation for the total energy of electron orbiting around the nucleus in a hydrogen atom.

b) Calculate the ground state energy of electron in the hydrogen atom.

Given data: h=6.63*(10)-34 j.s c= .3*(10)8 (ms) - 1 R= 1.097*10)-7 m)-1

Q-7 a) How are X-Rays produced? Discuss the emission of continuous X-rays and characteristics X-rays from a metal.

b) Calculate the wavelength ---- for the continuous spectrum of X-Rays emitted When 35 keV electron beam fall on a molybdenum target. Given data: h=6.63*(10)-34 j.s c = .3*(10)8 (ms) - 1

Q-8 a) what is natural radioactivity? Define half life of a radioactive material and determine an expression For the half life relating it to decay constant.

b) The radionuclide $1x^{40}$ k decay at an absolute rate 'R' of 1600 counts per second. If there are $9.49*10)^{19}$ $_{40}$k atoms in a sample of potassium, calculate the half life in years of this nuclide.

Q-9 a) Discuss the stability of the nucleus. Describe the basic processes for the thermonuclear fusion reaction to occur.

b) Calculate the energy released by conversion completely of C ^{12} into energy.

Given data: 1.a.m.u= 1.6605*10)^{27} - kg

Q-10 Write notes on the following:

1) He-Ne gas laser

2) Radioactive dating

Model Paper

Roll No. ………………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Philosophy

Course Title: Greek Philosophy Paper: A

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

Q-1 Discuss at length the salient features of Ionic Philosophy.

آیونیاہی فلسفے کی نمایاں خصوصیات پر مفصل بحث کریں

Q-2 Do you think that Pythagorean Philosophy is basically mystical? Discuss.

کیا آپ سمجھتے ہیں کہ فیثا غورثیہ کا فلسفہ بنیادی طور پر متصوفانہ ہے؟ بحث کریں۔

Q-3 Critically evaluate Zeno's Paradoxes.

زینو کے معصلات کا تنقیدی جائزہ پیش کریں۔

Q-4 Discuss in detail Heraclites' Flux Philosophy.

ہر اقلیتوس کے حرکی فلسفے پر تفصیلی بحث کریں۔

Q-5 Elaborate Democritus' Atomism and its influence on later thought.

ویمقر اطیس کی جوہریت اور اس کے مابعد فکر پر اثرات بیان کریں۔

Q-6 Discuss in detail Empedocles' Unifying Philosophy.

ایمپیڈ وکلیز کے ارتباطی فلسفے پر تفصیلی بحث کریں۔

Q-7 "Knowledge is Virtue" Discuss with reference to Socrates.

علم نیکی ہے سقراط کے حوالے سے بحث کریں۔

Q-8 Explain fully Plato's theory of Knowledge.

افلاطون کے نظریہ علم کی تفصیلی وضاحت پیش کریں۔

Q-9 Write a comprehensive note on Aristotle's Ethics.

ارسطو کی اخلاقیات پر مفصل نوٹ تحریر کریں

Model Paper Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject: Philosophy

Course Title: i) Ethics ii) Muslims Philosophy Paper: B

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FIVE questions. All questions carry equal marks.*

Q-1 Who were Mutazilites? Briefly discuss their important views?

معتزلہ کون تھے ان کے اہم نظریات مختصر ازیر بحث لاہیں۔

Q-2 What do you mean by Asharites theory of Atomism? Give in detail.

اشاعرہ کے نظریہ جواہر سے کیا مراد ہے؟ وضاحت کیجے

Q-3 What are the characteristics of Mystic Experience? Elucidate.

صوفیانہ تجربے کی خصوصیات کو وضاحت کے ساتھ بیان کیجے۔

Q-4 Critically evaluate Al-Kindi's ethical views'.

الکندی کے اخلاقی نظریات کا تنقیدی جاہزہ لیجے

Q-5 Evaluate critically Farabi's views in respect of 'God and Universe.'

خدا اور کاءنات کے حوالے سے فارابی کے نظریات کا تنقیدی جاہزہ لیجے۔

Q-6 Critically examine Ibn-Sina Views on Sufism.

تصوف کے حوالے سے ابن سینا کے نظریات کا تنقیدی جاہزہ لیجے۔

Q-7 Examines Al-Ghazali's views in respect of "Eternity of the World "

کاءنات کی ازلیت کے حوالے سے غذالی کے نظریات کا جاہزہ لیجے۔

Q-8 What do you mean by "Hayy Ibn Yaqzan"? Discuss with special reference to Ibn-Tufail.

حیان ابن یقظان سے کیا مراد ہے؟ ابن طفیل کے حوالے سے بحث کیجے

Q-9 How Ibn-Rushd defended Philosophy? Elaborate.

ابن رشد نے کس طرح فلسفہ کا دفاع کیا؟ وضاحت کیجے۔

Q-10 Give in Detail ‘Ibn-Bajjah’s Ethical Views”

ابن باجہ کے اخلاقی نظریات کو وضاحت کے ساتھ بیان کیجے۔

Model Paper | Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject; Journalism

Course Title: Journalism Paper:- A

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any Four questions. All questions carry equal marks.*

Q.1 Do you think that Mass Media positively contributes its role in society? Give some solid arguments!

کیا آپ سمجھتے ہیں۔ کہ میڈیا معاشرے میں مثبت کردار ادا کر رہا ہے؟ کچھ ٹھوس دلاہل سے ثابت کیجے۔

Q.2 Describe the importance of News Values in the selection of News.

خبروں کی چناو میں خبری اقدار کی اہمیت بیان کیجے

Q.3 What is Column Writing? How is it different from Editorial Writing? Explain with examples

کالم نگاری سے کیا مراد ہے؟ یہ ادار یہ نویسی سے کس طرح مختلف ہے؟ مثالوں سے بیان کیجے۔

Q.4 Radio is still a stronger medium of entertainment, information, education and social reformer in contemporary communication systems? Comment!.

ہم عصری ابلاغیاتی نظام میں ریڈیو آج بھی تفریح علم وآگہی تعلیم اور سماجی کارکن کی حیثیت میں ایک مضبوط میڈیم ہے؟ تبصرہ کیجے

Q.5 Explain usage of Journalistic and Literary Language along with their difference!

صحافتی اور ادبی زبان کے استعمال کے فرق کو بیان کریں۔.

Q.6 Do you agree that Pakistani Media is highly influenced by the government? Evaluate the coverage pattern of national and international issues in this regard!

کیاآپ سمجھتے ہیں۔ کہ پاکستانی ذرالع ابلاغ حکومت کے زیراثر ہیں؟ قومی اور بین الاقوامی امور کونشرکرنے کے حوالے سے بحث کیجے۔

Q.7 Compare and contrast Print and Electronic News with examples.

پرنٹ اور الیکٹرانک نیوز کے مابین مقابلہ اور مسابقت مثالیں دے کر بیان کیجے

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject; Journalism

Course Title: Journalism Paper:- B

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any four questions. All questions carry equal marks.*

Q.1 Discuss the historical developments of news printing in the subcontinent.

تاریخی ارتقاء کے اعتبارسے برصغیر میں مطبوعہ اخبارات کا جائزہ لیں

Q.2 Define 'Militant Muslim Press'. Discuss the role of Zafar Ali Khan, Mohammad Ali Johar and Abul Kalam Azad in this regard.

جنگجویانہ مسلم صحافت سے کیا مراد ہے؟ اس سلسلے میں ظفر علی خان محمد علی جو ہر اور ابوالکلام آزاد کے کردار کا جائزہ لیں

Q.3 Discuss in detail the role of Muslim press during 1940-47 in the establishment of Pakistan. Explain with reference to English and Urdu newspapers

قیام پاکستان کے حوالے سے 1940 تا 1947 کے دوران مسلم صحافت کے کردار کا تفصیلی جائزہ لیں جواب کی وضاحت انگریزی اور اردو اخبارات کے حوالے سے کریں۔

Q.4 Analyze the technical and journalistic standards of the daily Jang and the Daily Nawai Waqt.

تکنیکی اور صحافتی معیار کے حوالے س روزنامہ جنگ اور روزنامہ نواءے وقت کا تجزیہ کریں۔

Q.5 Discuss political, economic and social factors that affect journalism in Pakistan.

پاکستان میں صحافت پر اثرانداز ہونے والے سیاسی، معاشی اور سماجی عوامل پر بحث کریں۔

Q.6 Discuss the salient features of journalistic code of ethics. Describe the role of different journalistic organizations in the formation of Code of Ethics in Pakistan.

صحافتی ضابطہ اخلاق کے نمایاں خدوخال کا جائزہ لیں پاکستان میں ضابطہ اخلاق کی تیاری کے سلسلے میں مختلف صحافتی تنظیموں کے کردار کا جائزہ لیں

Q.7 Discuss the evolution and development of magazine journalism in Pakistan. Critically evaluate the contents of popular magazines in Pakistan.

پاکستان میں مجلاتی صحافت کے آغاز وار تقاء پر بحث کریں۔ پاکستان کے مشہرر مجلوں کے مندرجات کا تنقیدی جائزہ لیں۔

Q.8 Writes short notes on any TWO of the Following:

i) RPPO

ii) Daily Dawn

iii) Satellite Television

iv) Libel and Defamation

مندرجہ ذیل میں سے کسی دو پر مختصر نوٹ لکھیں۔

1) آر پی پی۔ او۔ 2) روز نامہ ڈان

۳) سیٹلایٹ ٹیلیویژن 4) ہتک عزت اور ازالہ حیثیت عرفی

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012: Subject; Journalism

Course Title: Journalism Paper: - Optional

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note:- *Attempt any FOUR questions. All questions carry equal marks.*

برا ے مہربانی کوءی سے چار سوالات حل کریں تمام سوالات کے نمبر برابرہیں

Q.1 Communication is possible without words, how? Please explain with examples.

ابلاغ، الفاظ کے بغیر بھی ممکن ہے۔ کیسے؟ مثالوں سے واضح کریں۔

Q.2 Differentiate among the Journalistic, Scientific and Literacy languages with arguments?

صحافتی، ساءنسی اور ادبی زبان میں فرق دلاہل کی روشنی میں واضح کریں

Q.3 Who is your favorite anchor person of any TV current Affairs program? Highlight the reasons of y our liking.

حالات حاضرہ کے کسی بھی ٹی وی پروگرام کا آپ کا پسندیدہ اینکرپرسن کون ہے؟ اپنی پسندید گی کی وجوہات بیان کریں

Q.4 Define News. Explain "Inverted Pyramid" style of news structure. Discuss different news elements in brief.

خبر کی تعریف کریں۔ خبرکی ساخت کے حوالے سے عمودی تکون کے طریقے کی وضاحت کریں۔ نیز خبری

لوازما ت مختصرا بیان کریں۔

Q.5 Differentiate between "Lead Editorial" and "Editorial Note". Explain the significance of editorial from journalistic point of view, with arguments?

اداریے اور شزرے میں فرق واضح کریں؟ صحافتی نکتہ نگاہ سے اداریے کی اہمیت دلاہل سے واضح کریں۔

Q.6 "Radio is the most significant and effective medium to transmit news and entertainment in Pakistani Villages even today". Comment.

پاکستانی دیہاتوں میں آج بھی ریڈیوخبروں اور تفریح کا سب سے اہم اور موثر ذریعہ ابلاغ ہے تبصرہ کیجے۔

Q.7 "Because of the emergence of Social Networking Websites and Online Journalism, Print Media including books and magazines have started losing their significance". Please discuss.

"سماجی رابطے کی ویب ساءٹس اور آن لا ہن جرنلزم کے آنے سے مطبوعہ صحافت بشمول کتب اور جراید اپنی اہمیت کھوارہے ہیں تبصرہ کیجے۔

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012 Subject: Education

Course Title: Education Paper: - A

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: - Attempt any FIVE questions. All question Carry equal marks.

Q.1. Discuss following statements 10+10

a) Education fulfills social needs. b) Society fulfills Educational needs.

درج ذیل بیانات کو زیر بحث لاءیں۔

ا) تعلیم سماجی ضرورتوں کو پورا کرتی ہے۔ ۱۱) سماج تعلیمی ضرورتوں کو پورا کرتا ے۔

Q.2 Philosophy provide base to education. Give your arguments. 20

فلسفہ تعلیم کو بنیاد فراہم کرتا ہے اپنے دلاءل دیں۔

Q.3 Discuss thoughts of Imam Ghazali, Allama iqbal and Shah Wali Ullahon educati on. 20

امام غزالی علامہ اقبال اور شاہ ولی اللہ کے تیلیمی نظریات زیر بحث لاءیں۔ .

Q.4 Islam put emphasis on compulsory education. Discuss this statement. 20

السلام لازمی تعلیم کی اہمیت پر زور دیتا ہے اس بیان کو زیر بحث لاہیں۔

Q.5 Discuss education in the light of Quran & Sunnah. 20

تعلیم کو قرآن وسنت کی روشنی میں زیر بحث لایں۔

Q.6 Discuss characteristics of Muslim Education in sub continent. 20

بر صیغر میں مسلمانوں کی تعیلم کی خصو صیات پر بحث کریں۔

Q.7 Describe in details he principles of curriculum development.

نصاب سازی کے اصول تفصیل سے بیان کریَں

Q.8 Write down recommendations of Educational Conference 1947 on 10+10

a) Secondary Education b) Higher Education

تعلیمی کا نفرنس 1947 کی سفارشات درج ذیل کے حوالے سے تحریر کریں۔

1) ثانوی تعلیم 2) اعلی تعلیم

Q.9 Ideology of Life provide base for Curriculum. Discuss. 20

نظریہ حیات نصّب کو بنیاد فراہم کرتا ہے بحث کریں۔

Q.10 Write not eon meaning and need of education? Also discuss in details the fundamental elements of education? 20

تعلیم کا مفہوم اور اسکی ضرورت واہمیت پر نوٹ لکھیں۔ نیز تعلیم کے بنیادی عناصر تفصیل سے بیان کریَں

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012 Subject: Education

Course Title: Education Paper:- B

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: - Attempt any FIVE questions. All questions carry equal marks

تعلیمی نفسیات کی تعریف کیجے تعلیمی نفسیات کا علم استاد کے لیے کس طرح مدد گار ہو سکتا ہے تفصیل سے وضاحت کیجے۔

Q.1 Define Educational Psychology. How the knowledge of Educational Psychology is helpful for teachers? Explain in detail. (5+15)

بالید گی اور نشوونما میں تمیز کریں نیز ذہنی نشوونما کے مختلف مدارج کی خصوصیات بیان کریں۔

Q.2 Differentiate Growth and Development. Explain the characteristics of different stages of cognitive development. (5+15)

تعلم بذریہ سعی وخطا اور تعلم بزریعہ بصیرت کا موازنہ کیجے

Q.3 Make a comparison between theory of learning by Trial and error and learning by Insight. (10+10)

مقیاس ذہانت سے کیا مراد ہے؟ ذہنی آزماءشوں کی تاریخ مختصر ابیان کریں۔

Q.4 What is meant by Intelligence Quotient? Briefly describe the history of Intelligence Tests. (5+15)

معزوربچوں کی اقسام بیان کریں۔ اور گونگے پن کی وجوہات بیان کریں۔

Q.5 Describe the types of handicapped children and describe the reasons of dumbness. (5+15)

شخصیت سے کیا مراد ہے؟ شخصیت کے جاءزے کے چار طریقے تفصیل سے بیان کریں۔

Q.6 What is meant by personality? Describe in detail any four methods for the evaluation of personality. (5+15)

نظم ونسق اور نظم وضبط میں فرق بیان کریں۔ ہم نصابی سرگرمیوں کے فواءد لکھیں۔

Q.7 Differentiate between Administration and Discipline. Write importance of school administration. (8+12)

نصابی اور ہم نصابی سرگرمیوں میں فرق بیان کریں۔ ہم نصابی سرگرمیوں کے فواءد لکھیں۔

Q.8 Differentiate curriculum and co-curricular activates. Write advantages of co-curricular activities. (5+15)

تعلیمی ادارے طلبہ کی ہمہ پہلونشوونما میں اہم کردارادا کرتے ہیں۔ اس بیان پر بحث کیجے۔

Q.9 "Educational Institutions play an important role in the comprehensive development of students." Discuss this statement (20)

مندرجہ ذیل پر نو ٹ لکھیں۔

Q.10 Write a note the followings 10+10

a) Attitude test **رویہ آزماءش**

b) Aptitude test **رجحان آزماءش**

Model Paper

Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012 Subject: English

Course Code: Eng-301 Course Title: English Language Paper: - A

Time Allowed: 03:30 Hours Maximum Marks: 100 Pass Marks: 33%

Important Note: *All parts of a question must be attempted together at one place, otherwise you may not get any credit. Over-attempts will not be marked. All questions carry equal marks.*

Q.1. Explain with reference to the context any THREE of the following:

a) A legacy of benefits-may we in future years be found with those who try to labor for the good until they die.

b) And ere should wane the morning-star' I'd don my rob and scimitar.

c) But even so, honored still more That he should seek my hospitality From out the dark door of the secret the earth

d) We live, so to speak, like spiders, and never and never see the light. The mice have eaten my livery.It isn't as if there were no good people around,for the districts full of them.

e) Nothing's securing to-day, so we let them have the best we can while the going's good. Give our children a better time than we had ourselves, and __

Q.2. Attempt any THREE of the following questions.

Answer each question in about 150 words

a) What are Giovanni's sentiments for Beatrice? (Rappaccini's Daughter)

b) Write a note on the character of Lisby. (The Little Willow)

c) "The Necklace" is satire on the vanity of women. Discuss.

d) "Araby" is a psychological explanation of a boy's emotional and mental condition. Discuss

e) "Something to Talk About" reflects the modern attitude towards criminals and crime. Elaborate.

Q.3. Attempt any THREE of the following question.

(Answer each question in about 150 words.)

a) "Sometimes I can scarcely believe that I have actually walked on the moon." Elaborate. (Walking on the Moon)

b) "Whistling" is a sound symbol which stands for the life and movements of birds and of all living creatures. Discuss.(Whistling of Birds)

c) Describe the difficulties faced by the people at the time of Independence. (Pakistan and Modern World)
d) Write a note on the good manners of the conductors on the bus. (On Saying Please)
e) Describe the origin of the word “Super”.(Super)

Q.4. Attempt any THREE of the following questions.

(Answer each question in about 150 words.)

a) According to the poet losses cannot bring any disaster. Do you agree? (One Art)
b) Explain the central idea by of “The Solitary Reaper.”
c) “A Poison Tree” right describes the poet’s mental and emotional attitude towards his enemy. Elaborate.
d) What are Keat’s thoughts on his own life and mortality? (When I Have Fears)
e) Explain the significance of the title of the poem, “Say This City Has Ten Million Souls"

<u>The Old Man and the Sea by Hemingway</u>

Q.5. Attempt any THREE of the following questions.

(Answer each question in about 150 words.)

a) Write a note on the first portion of the novel. Summary of the whole novel will not be accepted.
b) Is it a novel of the triumph of man or his defeat?
c) Discuss Santiago’s attitude towards the marlin.
d) Examine the attitude of other people towards Santiago before he set sail to catch big fish.
e) Describe the relationship between. Santiago and Manolin.

Model Paper

Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012 Subject: English

Course Code: Eng-401 Course Title: English Language Paper:- B

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Important Note::- Over attempted idioms/ correction of sentences will not be marked. Only the FIRST FIVE will be marked. Don't write your name, phone # or show your identity in any answer.

Q.1 Write an essay, with outline, of 300-350 words on one of the following topics.

a) Pleasures of Childhood 20+5
b) Village Uplift
c) Literacy Campaign
d) Money is not everything
e) Features of a Pakistani Wedding

Q.2 Read the following passage and answer the questions given at the end. The answers must be in your own words. 25

Poverty is almost as widely shared as Islam in Afghanistan. Except for a small number of wealthy traders, nomadic tribal leaders, and the Royal family and its retainers, few Afghans have lived far from the basic level of subsistence. Throughout the country their diet consists of coarse bread, tea, and dairy products, supplemented by fruits and vegetables in season and an occasional serving of mutton or chicken. Though food is never plentiful, the Afghan diet during good crop years appears to be sufficient to support a vigorous population, but the precariousness of the food supply is obvious from the drastic and continuing erosion of the soil and creeping desertization of its landscape. The poverty of most Afghan farmers and herders has imposed an elemental quality on their culture. Values are oriented towards social survival. Loyalty to the primary group ultimately takes precedence over self-asserting, despite the great importance given to personal independence. The conflict between these competing values is a major feature of Afghan life, but in-group loyalty has necessarily played the paramount role in the shaping of the attitudes towards fellow Afghans and outsiders.

Questions:

a) What is the economic condition of the people of Afghanistan?
b) What does the diet of Afghan people consist of?
c) Why is the food supply becoming so precarious?

d) Suggest a suitable title for the passage.
e) Make a précis of the above passage.

Q.3 Write a letter to the Editor of a news paper, criticizing the dress and habits of students at college. OR

Write an application to the Director of Education for the post of an English teacher. Also provide your C.V.

Q.4 Correct any Five of the following sentences. (No extra Attempts will be marked)

a) The wages of a sin are death.
b) Eight miles are a long distance.
c) I believe you are better now.
d) I am studying the news paper.
e) He aims to please everybody.
f) She came here for a singing.
g) I felt the cold air to strike my face.
h) Alarmed at the news, the police was informed.
i) Rose is the sweetest of all flowers.
j) I am much glad that you are here.

Q.5 Use any Five of the following phrases in sentences. (No extra Attempts will be marked)

a) Buy off.
b) Break away
c) Turn away
d) Hold on
e) Bear out
f) Get into a scrape
g) Confide to
h) At a stretch
i) Dutch courage.

Q.6 Translate the following into English.

چین میں جہاں بہت خو بیاں ہیں و ہاں سب سے بڑی خوبی یہ ہے کہ وہ بعض دوسرے اسلحہ ساز ممالک کی طرح اسلحہ کا سوداگر نہیَں ہے پاکستان چین کا دوست ہے چنانچہ چین پاکستان کی ہر معاملہ میں بے خوف ہو کر اور بغیر کسی لالچ کے مد کرتا ہے چین نہ صرف خود کسی بھی بیرونی حملے کا دفاع کرنے کے لے بھاری اسلحہ سازی میں خود کفیل ہونے کی کوشش کر رہا ہے بلکہ وہ پاکستان کو بھی اس میدان مین کسی کا محتاج دیکھنا نہیں چاہتا۔

OR

Write a dialogue between two friends about the waywardness among the youth.

____

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc (Composite) Annual -2012 Subject: English

Course Code: Eng-303 Course Title: English Language

Paper:- Compulsory for B.Sc

Maximum Marks: 100 Pass Marks: 33% Time Allowed: 03:00 Hours

Note: Attempt any TWO questions from Section-I. Section-II is compulsory.

SECTION-I

Q.1 a) LEACOCK describes a health maniac person as an obsessed person. Discuss JIGGIN'S character as a health maniac

b) What is obsession? Are all obsessions bad?

Q.2. a) How does Russell define Education?

b) What defect is inherent in purely classical education?

Q.3 a) Discuss the story August 2026- THERE WILL COME SOFT RAINS as an allegory of future.

b) What is the significance of the poem in the story?

Q.4. a) How does the writer compare T.V. ADDICTION with drug addiction?

b) What measures can parents adopt to check excess T.V Watching among children?

SECTION-II

Q.5 .Read the passage carefully and answer the questions in your own words:-

A person who is aware of his duties and rights in his society is a good citizen. He knows that he is a member of a group with which he is associated by a thousands and one ties. He realizes that he should live in harmony with others in society. He cannot live alone. He must live with his fellow human beings. But living in a society means co-operation with others. When you live in a society, you have to live as others live. You have to accept the conditions and traditions that a society prescribes for its members. These conditions and standards of behavior are for the common good and welfare of citizen does his best to do his duty to the society. He always keeps in view

the interests of his society and state. He lives a clean and honest life. He keeps away from such activities that may harm the interest of his fellow citizens. A good citizen is aware of the fact that he is indebted to the society in many ways. He knows that the labour and words of countless persons have enriched his life. His life, to a very great extent, depends on others. He has received much in the form of material and spiritual benefits from others. It is only just and right that he should pay his debts

Questions:-

a) Who is a good citizen?
b) What are the duties of a good citizen?
c) Why is a society formed?
d) Make a précis of the passage and give it a suitable title.

Q.6. Make a report on internet addiction.

Q.7. Write an essay of about 200 words on anyone of the following:.

a) Terrorism

b) Education for all

c) Dreams

d) Discipline

Q.8. Translate into English:-

ایک زمانہ تھا جب ہمارے ہاں خاندانی نظام تھا جہاں دادا دادی اور دیگر رشتہ دارمل جل کر رہتے تھے ۔ ایک دوسرے پر مکمل اعتماد تھا محبت کی فضا میں بچوں کی پرورش کرتے تھے جسکی وجہ سے بچوں میں خوداعتمادی پیدا ہوتی تھی وہ اپنے مساءل اور اپنی تکالیف والدین اور اهل خانہ کے ساتھ مل کر حل کرتے تھے جس کی وجہ سے ان میں تحفظ کا آحساس پیدا ہوتا تھا لیکن جیسے جیسے ملک ترقی کرتا گیا لوگوں کے پاس وقت کم ہو تا گیا۔ دیگر یہ کہ مغربی اقدار کا بھی غلبہ ہوگیا

OR

(For foreign students only) Write a dialogue between two students on unemployment.

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite)	Annual -2012	Subject: English
Course Code: Eng-302	Course Title: English Literature	Paper: - A
Time Allowed: 03:00 Hours	Maximum Marks: 100	Pass Marks: 33%

Note:- *Attempt All Questions. All questions carry equal marks.*

Q.1 Critically examine the story The Kite...

OR

Draw the character sketch of Herbert Sunbury.

Q.2 "To Lewis, Morgan was the nearest human to the devil." What is your assessment of Morgan?

Q.3 Do you think that the Animal Farm is a political satire? Elaborate your answer with arguments.

OR

Compare and contrast the characters of Snowball and Napoleon.

Q.4 Discuss the End of the Beginning as a farce

OR

Is the Riders to the Sea by J.M Synge a poetic drama?

Q.5 " Fate is sometimes one thing. Sometimes another: we do not settle it." Discuss the role of fate in the light of these statements of the mother in the play, A Parting.

OR

Give critical appreciation of the play Time's Visitor.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA (Composite) Annual -2012 Subject: English

Course Code: Eng-402 Course Title: English Literature Paper: - B

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

Note: - Attempt any FIVE questions including compulsory Q.No 1 Attempt at least TWO questions from each section. All questions carry equal marks.

Q.1 Explain with reference to the context any three of the following:-

a) And both that morning equally lay In leaves no step had trodden black
b) You looked twice ere you saw his breast was all but shot in two
c) Quickly breaks her prison string, and such joys as these she'll bring.
d) Alone with her great family she lived as she did please.
e) "What occupation do you there pursue? This is a lonesome place for one like you."
f) Our grand Foe, Who now triumphs, and in excess of joy.Sole reigning holds the tyranny of heaven

SECTION-I

Q.2 How does Macbeth bend his extraordinary the service of evil?

Q.3 Witches are only external projection of Macbeth's internal ambitions. Elaborate.

Q.4 How does Amanda make Tom's life hell by constant reminders?

Q.5 Laura cries not so much for her glass shattered but her dreams broken. Discuss

SECTION-II

Q.6 Bring out Satan's oratory's the arrogance and vanity in Satan s oratory from the lines of 'paradise

Lost' included in your course.

Q.7 What makes Wordsworth's Tintern Abbey Revisited' a masterpiece of Nature Poetry?

Q.8 Keats never touched so great heights as in. Elaborate with reference to some of his odes.

Q.9 How does Browning bring out pathos and spiritual ache in his My Last Duchess?

Q.10 critically evaluate Frost’s Tree At My Window.’

Model Paper Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Health & Physical Education

Course Title: Health & Physical Education Paper: A

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%(25)

***Note: - Attempt* any five questions. All question carry equal marks.**

Q-1 a) What is PHYSICAL EDUCATION? Explain it in the light of expert's opinion.

b) Explain the IMPORTANCE of PHYSICAL EDUCATION in MODERN life.

الف) تعلیم جسمانی کیا ہے؟ ماہرین کی آراءکی روشنی میں بیان کریں۔

ب) جدید دور میں تعلیم جسمانی کی اہمیت بیان کریَ

Q-2 a) Write the LAWS of OLD OLYMPICS.

b) Explain in detail the Development of PHYSICAL EDUCATION in PAKISTAN.

الف) قدیم اولمپک میں کھیلوں کے ضابطے تحریر کریں۔

ب) پاکستان میں تعلیم جسمانی کے ارتقاء کو تفصیلا بیان کریں۔

Q-3 a) What is MOVEMENT? Define it.

b) Write in detail the IMPORTANCE of MOVEMENT in modern life.

الف) حرکت کیا ہے تعریف کیجے۔

ب) جدید دور میں حرکت کی اہمیت تفصلا بیان کریں۔

Q-4 Explain in details the followings.

i) POWER ii) ENDURANCE iii) AGILITY

درج ذیل کو تفصیلا بیان کریں۔

ا) قوت ب)برداشت ج) پھرتی

Q-5 a) What is Safety Education? Discuss the importance of safety Education.

b) Write a note on Driver Safety.

الف) حفاظتی تعلیم کیا ہے؟ اسکی اہمیت پر بحث کریں۔

ب) ڈراءیور سیفٹی پر نوٹ لکھیں۔

Q-6 Explain the Physical Education in light of QURAN and SUNNAH.

تعلیم جسمانی کی اہمیت قرآن وسنت کی روشنی بیان کریں۔

Q-7 a) Draw a Sketch of HOCKEY GROUND and mention the POSITION of PLAYERS.

b) Write a short note on following.

i) PENALTY STROKE ii) PENALTY CORNER

الف) ہاکی گراونڈ کا خاکہ بناءے اور کھلاڑیوں کی پو زیشنیں درج کیجیے۔

ب) درج ذیل پر نوٹ لکھیےَ

1) پنلٹی سٹروک 2) پنلٹی کارنر

Q-8 a) Write the rules of LONG jump.

b) Write the TECHNIQUES OF 100 METERS Race.

الف) لمبی چھالانگ کے قوانیں تحریر کریں۔

ب) 100 میٹردوڑ کی مہارتیں تحریر کریں۔

Q-9 Explain the following in details.

i) IMPORTANCE of MAP READING in MOUNTAINEERING

ii) EQUIPMENTS in Mountaineering

iii) GENERAL INSTRUCTIONS of MOUNTAINEERING

درج ذیل کو تفصیلا بیان کریں۔

۱) کوہ پیماءی میں نقشہ بینی کی اہمت

۱۱) کوہ پیماءی کا سامان

۱۱۱) کوہ پیماءی کی ہدایات

Q-10 a) What is RECREATION?

b) Explain in details the RE-CREATIONAL OBJECTIVES.

الف) تفریح کیا ہے؟

ب) تفریحی مقاصد تفصیل سے بیان کریں۔

Model Paper | Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Health & Physical Education

Course Code: Course Title: Health & Physical Education Paper: B

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%(25)

***Note: - Attempt* any five questions. All question carry equal marks.**

Q-1 Write the meaning of Hygiene. Also describe the personal Hygiene in Skin care, Teeth care and Eyes care.

حفظان صحت کا مفہوم لکھیں نیز شخصی حفظان کے حوالے سے جلد کی صفاءی دانتوں کی صفاءی اور آنکھوں کی صفاءی کے بارے میں بیان کریں۔

Q- 2 Describe the relationship between Health Education and Physical Education.

علم الصحت اور تعلیم جسمانی کا آپس میں تعلق بیان کریں۔

Q-3 What are the symptoms, causes and preventions of the following communicate diseases

i) Influenza ii) Typhoid

مندرجہ ذیل بیماریوں کے ظاہر ہونے کی علامات ، وجوہات اور ا حتیاطی تدابیر بیان کریَ

۱) انفلوانزہ ۲) ٹاءی فاءیڈ

Q-4 What is Air pollution? What measure you will take for purification of Air pollution?

ہوا کی آلودگی کیا ہے؟ آپ ہواءی آلودگی کو صاف کرنے کے لیے کیا اقدامات کرینگے؟

Q-5 What are the effects of exercise on Respiratory System?

نظام تنفس پر ورزش کے کیا اثرات مرتب ہوتے ہیں۔

Q-6 Explain the Anatomy and physiology of Muscular System.

نظام عضلات کی اناٹو می اور فزیالوجی بیان کریں۔

Q-7 Write a not e on ay two of the following

i) Kypnosis ii) Scoliosis iii) Flat foot

مندرجہ ذیل میں سے کسی دو پر نوت لکھیں۔

۱) گول کمر ۱۱) ناہموار کندھے ۳) چپٹے پاوءں

Q.-8 Write down the definition and importance of Massage

مالش کی تعریف اور اہمیت تحریر کریں۔

Q-9 Define First Aid and importance of First Aid.

ابتداءی طبی امداد کی تعریف کریں اور اسکی اہمیت بیان کریں۔

Q-10 Write down a detail note on Balance Diet

متوازن غذا پر نوٹ لکھیں۔

Model Paper Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Economics

Course Title: Economics Paper: A

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%(25)

***Note: - Attempt* any five questions in all selecting two question from part-I and Three Questions from part-II. All question carry equal marks.**

Part-I

Q-1 Differentiate the following with examples:-

a) Continuous and discontinuous variables.

b) Explicit and Implicit function.

c) Equation and Identity.

مندرجہ ذیل کی مثالوں سے وضاحت بیان کریں۔

الف) متغیر مسلسل اور غیر مسلسل

ب) واضح اور مضمر تفاعل

ج) مساوات اور مساوات متماثلہ

Q-2 Given the following model of income determination.

آمدنی کے درج ذیل ماڈل سے

Y= C+I+G C=40+0.5 yd

Yd = y-T T= 10+0.20 y

I_o =60 Go=55

a) Find the equibillrium level of income and equibilirum level of consumption.

b) Find the value of Multiplier (K)

۱) توازنی سطھ آمدنی اور توازنی سطح صرف معلوم کریں۔

۲) ضارب K کی قیمت معلوم کریَ

Q-3 a) Describe the concept of partial derivative with examples.

b) Following demand function is given.

Qd=70-0.02y Where p=20 and y=5000

Compute the price elasticity of Demand and Income Elasticity of Demand.

جزوی تفرقی سر کے تصور کو مثال کے ساتھ بیان کریں۔

مذکورہ بالا تفاعل طلب سے طلب کی لچک بوجہ قیمت اور طلب کع لچک بوجہ آمدنی اخذ کریں۔

Q-4 A monopolistic face the following demand Function and total cost function,

P=18-2q C=$2q^2$ + 6q

a) Find the profit maximization output (q) and price (p).

b) If govemment impose a tax of Rs.6 per unit of output sold. What will happen to price of output, quantity sold and total profit.

ایک اجارہ دار منڈی میں درج بالاتفاعل طلب اور تفاعل کل مصارف کا سامنا ہے

الف) اسکی پیداوار کی وہ مقدارQ اور قیمت P معلوم کرینجواسکےمنافع کو زیادہ سے زیادہ کرے

ب) اگر حکومت اسکی پیداوار پر 6روپےفی اکای کے حساب سے بکری ٹیکس لگا دےتو اس صورت میں پیداوار کی مقدارQ اور قیمت P اور اسکے متافع میں کیا فرق آءے گا

Part-II

Q-5 Explain the revealed preference theory and derive a demand curve under it.

(حصہ دوم)

نظریہ اظہار ترجیح کی وضاحت کرٰیں۔ اور اسکے تحت ایک خط طلب اخذ کریں۔

Q-6 Explain the following concepts using hypothetical table and graph in short run period.

i) Average fixed cost (AFC).

ii) Average Variable Cost (AVC).

iii) Marginal Cost (MC).

درج زیل تصورات کی وضاحت عرصہ قلیل کے ایک فرخی گوشوارے اور گراف سے کریں

الف) اوسط معینہ مصارف ب) اوسط متغیرہ مصارف

ج) اوسط کل مصارف د) مختتم مصارف

Q-7 Define Monopoly. How price and output is determined under monopoly explain.

اجارہ داری کی تعریف کریں۔ اجارہ داری کے تحت قیمت اور پیداوار کا تعین کیسے ہوتا ہے۔؟

Q-8 Derive the supply Curve of the firm in short run under the assumption of perfect competition.

مکمل مقابلہ کے مفروضات کے تحت عرصہ قلیل میں ایک فرم کا خط رسدا اخد کریں۔

Q-9 Define Oligopoly. Explains the price leadership model of Oligopoly.

چند کی اجارہ داری کی تعریف کریں۔ چند کی اجارہ داری کے قیادت قیمت کے ماڈل کی وضاحت کریں۔

Q-10 Write note on two of the following.

a. Problems of microeconomics

b. Why does long run average cost curve is flatter than short run.

c. Income elasticity of Demand.

درج ذیل ماڈل میں سے کسی دو پر نو ٹ لکھیں۔

الف) نظری جزی بیاتی معاشیات کے مساءل

ب) عرصہ طویل کا اوسط مصارف کا خط عرصہ قلیل کی نسبت کیوں چپٹا ہوتا ہے

ج) طلب کی آمدنی لچک

Model Paper Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/BSc (Composite) Annual -2012: Subject: Economics

Course Title: Economics Paper: B

Time Allowed: 03:00 Hours Maximum Marks: 100 Pass Marks: 33%

***Note: - Attempt* any five questions in all selecting three question from part-I and Two Questions from part-II. All question carry equal marks.**

Q-1 Distinguish between microeconomics and macroeconomics. Give the significance of Macroeconomics in the study of modern economics problems.

جزوی اورکلی معاشیات میں فرق واضح کریں۔ جدید معاشی مساءل کے مطالعہ کے لے ملکی معاشیات کی اہمت بیان کریں۔

Q-2 Explain Keynesian psychological law of consumption. What are its assumption and Implications?

کنیز کے صرف کے بارے میں نفسیاتی قانون کی وضاحت کریں۔ اس قانون کے مفروضات اور مضمرات کیا ہیں

Q-3 Explain the acceleration principles. Give its assumption and limitations.

اصول اسرع کی وضاحت کریں اس کے مضروضات اور حدبندیاں بیا ن کریں اسکو کسے کنٹرول کیا جا سکتا ہے

Q-4 What are the major phases of business cycle? Describe its main its Characteristics. How can it be controlled.

تجارتی چکر کے مختلف مراحل کونسے ھیں؟اس کی بنیادی خصوصیات بیان کریناسکو کیسے کنٹرول کیا جا سکتاھے

Q-5 Define Inflation. Explain the concept of Demand Pull Inflation and cost push inflation With the help of diagram

افراط زدکی تعریف کریں۔ طلب کے دباوء کے افراط زر اور مصارف کے دباوء کے افراط زر کی وضاحت ڈاءیگرام کی مدد سے کریں۔

Q-6 Critically analyze the theory of comparative cost n international trade.

بین الاقوامی تجارت میں نظریہ تقابلی مصارف کا تنقیدی جاءزہ لیں۔

Part-II

Q-7 Define a developing economy. Explain the common characteristics of developing countries.

ترقی پذیر معیشت کی تعریف کریں ترقی پزیر ممالک کی مشترکہ خصوصیات بیان کریں۔

Q-8 Describe the main problems of three agriculture sector of Pakistan. How agriculture Can be made a dynamic sector of the economy.

پاکستان کے زرعی شعبہ کی اہم خرابیاں یا مساءل بیان کریں۔ نیز زراعت کو کس طرح معیشت کا ایک متحرک شعبہ بنایاجا سکتا ہے۔

Q-9 What are the market imperfections? How can these be improved in Pakistan.

منڈی کی ناکاملیات کیا ھیں؟پاکستان مینان کو کیسے بھتربنایاجاسکتاھے

Q-10 Describe the various forms and resources of foreign aid received.

پاکستان کووصول ہونے والی بیرونی امداد کی مختلف قسمیں اور ذرالع بیان کریں۔

Model Paper

Roll No. ………………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012 Sub: Computer Studies

Course Title: Computer Studies Paper: - B

Time Allowed: 03:00 Hours Maximum Marks: 70 Pass Marks: 33%

Notes: Attempt Three question from Part-I and Three questions from part-II.

Part-I (Database Management Systems) **Max Marks: 35**

Question 1 in part-I is compulsory. Attempt any two questions from the remaining questions in part-I

Q-1. Choose the most appropriate option for the following statement and write on the provided answer sheet. (Please write only correct options, no need to write whole answer).(Marks:10)

1) What does SQL stand for?

a) Strong Question Language

b) Structured Question Language

c) Structured Query Language

d) Semi-Structured Query Language

2) Which SQL Statement is used to insert new data in a database?

a) ADD RECORD

b) ADD INTO

c) INSERT

d) ADD NEW

3) A DBMS is

A) Another name for database system

b) Independent of a database

c) Dependent on application programs

d) Is a set of procedures which manage a database

4) The Process of Normalization

   a) Is automatic using computer program

   b) Requires one to understand dependency between attributes

   c) Is manual and requires semantic information

   d) Is finding a key of Relation

5) With SQL, how do you select a column named “First Name” from a table named “Persons”?

   a) EXTRACT first name FROM persons.

   b) SELECT first name FROM Persons.

   c) SELECT Persons First Name

6) In an E-R diagram entities are represented by

   a) Circles

   b) Rectangles

   c) Diamond Shaped Box

   d) Ellipse

7) Pick the meaningful relationship between entities

   a) Vendor Supplies goods

   b) Vendor Talks with customer

   c) Vendor complaints to Vendor

   d) Vendor ask Prices

8) Which SQL keyword is used to sort the result set?

   a) SORT BY

   b) ORDER

   c) ORDER BY

   d) SORT

9) With SQL, how can you delete the records where the “first name” is “peter” in persons table?

   a) DELETE FROM persons WHERE First Name= ‘peter’

   b) DELETE ROW First name = ‘Peter’ FROM Persons

   c) DELETE FIRST Name = ‘Peter’ FROM Persons

10) Primary key always uniquely identifies each record in a table

a) True

b) False

c) Statement is not clear

Q-2. a) Write a brief note on history of database processing. (Marks: 4.5)

b) Draw an Entity Relationship Diagram (ERD) for the following company.(Marks:8)

Golden company wants to computerize its sales system. Golden Co. has its network across the Country. Country is distributed in zones. Each zone covers one or more cities. Each cities has one or More distributors. Golden company has number of Products. Some products have more than one Packing size. The sales Process is: Delivery order is made for each approved order. One delivery order Can be serves in more than one supply depending on the availability of material in the stores. For each Supply Invoice is made. Invoice should be made from the delivery order. Therefore we have to save the Records of pending items in delivery order. Golden company has dealing with number of Transporters. Invoice also contains the name of transporter. Golden company receives payments from the Distributors. We have to save the record of each distributor.

Q-3. a) Define Entity. Attribute and relationship with examples. (Marks: 4.5)

b) Discuss different type of database anomalies with examples. (Marks: 4)

c) Define Functional Dependency and its types with examples. (Marks: 4)

Q.4. a) Write SQL Statement: (Marks: 4.5)

i) Which create the following table STUDENT?

ii) Which insert the following given data in STUDENT table

iii) Which display all students name who earns more than 3.00 CGPA?

First Name	Address	Class	CGPA
Maryam	Lahore	BS-CS	3.25
Bilal	Islamabad	BS-SE	2.25
Faisal	Quetta	BS-IT	3.65

b) Normalize the following HBL " Branch-Staff" Relation upto 3rd Normal form but step by step

Show each intermediate resultant table with its data. (Mark: 8)

Branch Staff

B#	Address	S#	S name	Salary	C #	C name
B1	PU Old Campus	B1S1	Naveed	45000	C1	PUCIT
B1	PU Old Campus	B1S2	Nadia	20000	C2	PUCAD
B1	PU Old Campus	B1S3	Kirn	38000	C1	PUCIT
B2	PU New Campus	B2S1	Ifrah	46000	C1	PUCIT
B2	PU New Campus	B2S2	Naveed	50000	C5	Phy.Dept.
B2	PU New Campus	B2S3	Umer	38000	C3	Eng.Dept.

Note:

B# Branch number **S#** Staff Number **Sname** Staff name

C# Client number **Cname** Client name

Part-II (Operating System and Networks) **Max marks: 35**

Note:

1: **Question 5 in part –II is compulsory.**

2: **Attempt any two question from the remaining question in part -11**

Q.5. Choose h most appropriate option for the following statements and write on the provided answer Sheet. (Please write only correct options, to write whole Answer. (Marks: 10)

1) A process is in a __________ state, if that process has halted its execution but a record of the Process is still maintained by the operating system.

A) Running **b) Ready** **c) Blocked** **d) Terminate**

2) On a system that used simple paging, memory is divided into fixed-size blocks called page frames.

a) True b) False c) Statement is not clear

3) A process is in a ________state, if that process has been created but will not be considered for loading into memory or for execution.

A) Running b) Exit c) Held d) Terminate

4) The number of processed the system can execute in a period of time is called: throughput of a system.

a) True b) False c) Statement is not clear

5) A process is in a ________state, if it is executing on a CPU.

A) Running b) Exit c) Held d) Terminate

6) The _________model shows how the network functions of a computer ought to be organized.

a) ITU-T b) OSI c) ISO d) ANSI

7) As the data packet moves from the lower to the upper layers, headers are _______________

a) Added b) Subtracted c) Rearranged d) Modified

8) Layer 2 lies between the physical layer and the ___________ layer.

a) Network b) Data link c) Transport d) Presentation

9) A tree topology is a variation of a ___________ Topology.

a) Mesh b) Star c) Bus d) Ring

10) A television broadcast is an example of _____________transmission.

a) Simplex b) Half-duplex c) Full-duplex d) Automatic

Q.6. a) Differentiate Swapper and Dispatcher. (Marks: 6.5)

b) Discuss briefly Distributed Operating System (Marks: 6.)

Q.7.a) Discuss "Overlaying" Memory Management Scheme and Also Discuss one Disadvantage of this Scheme. (Marks: 6.5)

b) Wite a note on Simple Segmentation. (Marks:6)

Q.8.a) Discuss briefly Functions of Physical Layer of OSI Model. (Marks: 6.5)

B) Differentiate Mesh Topology and Star Topology. (Draw figures also) (Marks: 6)

Model Paper | Roll No. …………………

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012 Sub: Computer studies

Course Title: Computer Studies Paper: - A

Time Allowed: 03:00 Hours Maximum Marks: 70 Pass Marks: 33%

Notes:

1- Question #I in part and Question #5 in Part-II are compulsory.

2- Attempt two of the remaining three question in part - I and part – II.

Part-I (Introduction to Information Technology) Max Marks: 35

Question#1 (Do all Parts in this Question)

Answer for all parts in question#1 must be written on the answer sheet. Write on the answer sheet that part number and your selected answer letter e.g. (A or B or C or D) against it. No need to write question on answer sheet.

Multiple Choice Questions: Choose the correct option. Only one option is correct. Cutting and overwriting in this question will be considered wrong.

1 A computer converts data into --------------

a) Information

b) Software

C) Charts

d) Input/output

2 You can use this output device when you need only to see information.

a) Disk

b) Monitor

c) Speaker

d) Modern

3 A CPU that is following a series of steps to complete an instruction is using ----------

Technology.

a) Threading

b) Pipelining

c) Cache

d) Multitasking

4 A ---------can perform both input and output functions.

a) Trackball

b) Communication Device

c) Microphone

d) CPU

5 The term --------- refers to sharpness or clarity of an image.

a) Width

b) Resolution

c) Dot Pitch

d) Depth

6 The --------- of a hard disk contains a small program that runs when you start the computer.

a) Boot Sector

b) File System

c) File Allocation Table

d) File Cluster

7 In a worksheet, a ---------- is the intersection of row and column.

a) Formula bar

b) Ruler

c) Cell

d) Frame

8 What type of operating System allows Multiole users to connect over the network to a special server and work with their programs in a separate session, and allows each users to run multiple program.

a) Single Users/ Multiple Customers

b) Multi Users/ Multi Tasking

c) Real Time

d) Single User / Single Tasking

9 A ---------- is an agreed upon format for transmitting data between two devices.

a) Protopology

b) Prototype

c) Protoplasm

d) Protocol

10 Sockets and Winsock are example of ----------- type software.

a) VCR

b) DSL

c) IPX

d) API

Attempt any Two out of Question # 2,3 and 4. All questions Carry equal marks.

Question#2

What is the purpose of an output device? Explain the different features of CRT and LCD monitors.

Question#3

Why computers need memory modules? Explains the features of Registers, Cache and RAM.

Question#4

What are the advantages of the computer network? Explain some common types of networks.

Part-II (Computer Programming) **Max Marks: 35**

Question#5: (Do all parts in this Question) (Marks: 10)

Answer for all the parts in Q#5 must be written on the answer sheet. Write on the answer sheet that part number and your selected answer letter e.g. (A or B or C or D) against it. No need to write question on answer sheet.

Multiple Choice Questions: Choose the correct option. Only one option is correct. Cutting and overwriting in this question will be considered wrong.

1 In Visual Basic, a form is another name for a (n) -----------------.

a) Object

b) Property

c) Window

d) Label

2 Which of the following is not a visual basic control?

a) Control Button

b) Variable

c) Forms

d) Text Box.

3 An Event is a (n):

a) Activity performed by computer regularly

b) Function that executes automatically

c) Block of Code in Program

d) None

4 What is the value of the X after the following statement?

Dim x as Integer x=0 x=x+30

a) 0

b) 30

c) 33

d) None

5 Which of the following is the correct name of variable in VB?

a) Vari' Name

b) Variable Name

c) 100 bye

d) All of above are correct

6 To display a message, -------------------- function is used.

a) Input Box

b) Msgbox

c) Message

d) None

7 Which of the following reverses the Boolean value of a relational expression?

a) But

b) Not

c) Or

d) And

8 Which of the following Return True if A = 25 and B = 35:

a) A+B

b) A<>B

c) A>=B

d) A=B

9 A statement Block can consists of how many lines?

a) 0

b) 2

c) Unlimited

d) At most 255

10 Which of the following statements allocates an array of dozen integers?

a) Dim Arr (dozen) As Integer

b) Dim Arr (12) As Integer

c) Dim Arr (11) As Integer

d) Dim Arr (13) As Integer

Attempt any Two out of Question # 6,7 and 8, All question carry equal marks.

Question#6

What is meant by structured programming? Describe Event procedures, Sub Procedure, Function Procedure and Modules. Also give one coding Example for each type of the procedure.

Question#7

Write VB 6 program that takes N numbers as input. It prints the maximum number and its frequency (number of occurrences). Two samples runs of the programs are given below.

Sample Run-1:

Input

N=10

The ten numbers are as follows:

7 20 -1 65 36 90 78 -2 90 90

Output

Maximum number is: 90

Frequency of maximum is: 3

Sample Run 2:

Input

N=12

The 12 Numbers are as following

23 45 67 56 -90 67 44 67 12 37



Output

Maximum Number is 67

Frequency of Maximum is: 4

Question#8:

Write a program that reads 10 numbers from the users and stores them in any array. Print the numbers in ascending order. A sample run of the program is given below:

Sample Run:

Input

7 8 90 34 2 9 12 1 10 32

Array:									
7	8	90	34	2	9	12	1	10	32

Output

Numbers in descending order:

1 2 7 8 9 10 12 32 34 90

Model Paper

Roll No. ………………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Botany

Course Title: Morphology of Plants Paper: - A

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

Note: *Attempt any FIVE questions by selecting TWO questions from Section-I and THREE questions from Section-II. Elaborate your answers with labeled diagrams, where necessary. All questions carry equal marks.*

SECTION-I

Q-1 a) What are various steps during the replication of virus?

b) Explain autotrophic mode of nutrition in bacteria.

Q-2 Write notes on:

a) Sexual Reproduction in Vaucheria

b) Globule of chara

Q-3 Describe the life Cycle of ustaligo.

Q-4 Explain the classification of ascomycota.

SECTION-II

Q-5 Compare the Sporogonium of anthoceros with that of porella.

Q-6 Discuss the life cycle of marsillia.

Q-7 Describe the internal structure of rhizome of psilotum.

Q-8 Describe the male and female cone of pINUS.

Q-9 Describe the stem Anatomy of ephedra.

Q-10 Write notes on:

a) Draw the labeled diagram of ovule of angiosperm

b) Explain the Internal structure of physcia thallus

Model Paper

Roll No. ………………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Botany

Course Title: plant Systematic Anatomy & Development Paper: - B

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

Note:- *Attempt any FIVE questions by selecting at least TWO questions from each section. Elaborate your answers with labeled diagrams, where necessary. All questions carry equal marks*

SECTION-I

Q-1 a) What is plant systematics? Difference between phylogenetic and artificial systems of Classification.

b) Give significance of bionomial nonmanclature.

Q-2 a) Define Infloresence. Differentiate between cymose & recemose infloresence.

b) Define spike, catkin & umbel.

Q-3 a) Differentiate between tap root & adventetious root. Write modification of tape root.

b) Define stilt root & prop root.

Q-4 Write distinguishes features of family solanaceae. Give its economic importance; write botanical names of least four economically important plants.

Q-5 Write notes on:-

a) Asteraceae fruits

b) tendril & its types

SECTION-II

Q-6 a) What are PITS? Differentiate between simple pits and bordered pits.

b) Give structure of bordered pit pair and half bordered pit pair.

Q-7 Define tissue. Differentiate between SIMPLE and CMPLEX TISSUS. Write different types of simple tissues.

Q-8 a) Differentiate between primary and secondry growth.

b) Write secondry growth in dicot stem.

Q-9 Write notes on:-

a) meristem and its types. b) vessels and trachieds.

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Botany

Course Title: Cell, Biology, Genetics and evolution Paper: - C

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

***Note: -** Attempt any FIVE questions by selecting at least TWO questions from each section. Draw suitable diagrams, where necessary. All questions carry equal marks*

SECTION-I

Q-1 a) Discuss the structure and function of Lipids.

b) Describe the structure of DNA

Q-2 a) Describe Ultra structure and functions of Mitochondria.

b) Write a note on Dictyosomes.

Q-3 a) What is Meiosis? Discuss briefly the Meiosis- I

b) What is significance of Mitosis?

Q-4 a) Describe Physico-chemical nature of cytoplasm.

b) Write a note on Karyotype analysis.

Q-5 a) Give an account of Euploidy.

b) Differentiate between Deletion and duplication.

SECTION -II

Q-6 a) Differentiate between the followings.

i) Test cross and Back cross.

ii) Dominance and incomplete Dominance

b) Give an account of law of independent assortment.

Q-7 a) What is sex linked inheritance? Explain sex Linkage in man (colour blindness).

b) Wrie a note on linkage and crossing over.

Q-8 What is translation? Give a detail account of protein synthesis.

Q-9 a) What is gene mutation? Describe physical and chemical mutagens

b) Write a note on release of new varieties.

Q-10 a) Give an account of Darwin's theory of evolution.

b) Write a brief note on genetic conservation.

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Botany

Course Title: Plant Physiology and Ecology Paper: - D

Time Allowed: 03:00 Hours Maximum Marks: 35 Pass Marks: 33%

Note:- Attempt any FIVE questions in all but not more than THREE from any section

All question carry equal mark.

SECTION-I

Q-1 a) Give a detailed account of Tropic movements in Plants.

b) Briefly discuss properties and biological significance of colloidal systems.

Q-2 a) What are psychological role and deficiency symptoms of nitrogen, phosphorus and calcium in plants?

b) How the molecular nitrogen of the atmosphere is fixed?

Q-3 a) Briefly discuss the mechanism of photosynthesis explaining photolysis, energy and (CO) 2 fixation.

b) Write a short note on Plant Tissue Culture.

Q-4 a) Write a short note on Krebs cycle.

b) Define and discuss photoperiodism. What is the significance of hormones in Photoperiodism?

Q-5 a) What are Enzymes? How they are classified? Discuss their nature and properties.

b) What is Dormancy? Discuss various methods of breaking and dormancy.

SECTION -II

Q-6 a) What is Soil Organic matter and its importance?

b) What is Soil Erosion? Discuss Soil Erosion by wind and its control.

Q-7 a) Give an account of water cycle in nature and its importance of atmospheric moisture to plants.

b) Briefly discuss the impact of Wind as an ecological factor.

Q-8 a) Define an Ecosystem. Discuss ecological energetic in terms of Food chains, Food web and Tropic levels.

b) Write a short note on desertification.

Q-9 a) What is productivity? Briefly give an account of different methods of its measurement.

b) Write a short note on conservation of natural resources.

Q-10 a) Give an account of eco-psychological responses of plants to light and temperature.

b) Critically discuss Environmental Pollution.

Model Paper

Roll No. ………………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Chemistry

Course Title: Physical Chemistry Paper: - A

Time Allowed: 03:00 Hours Maximum Marks: 50 Pass Marks: 33%

Note: *Attempt any five questions. All questions carry equal marks.*

Q-1 a) Derive the relation between viscosities and mean free path.

b) Give the significant of Van-der-Waal's constant 'a 'and 'b' and derive their units.

c) Discuss the roots of Van-der-Waal's equation and its change with critical phenomenon.

Q-2 a) How would you say that Parachor, Reheochor and molar refraction is a additive and constitutive Properties.

b) Discuss one of the methods to determine the Dipole moment of a molecule.

c) Define i- Polarization ii- Magnetic Susceptibility.

Q-3 a) Describe powder method for crystal structure determination.

b) State the thermodynamics representation of heat capacities and the graph showing the effect of Temperature.

c) Define i. Diffraction in crystals ii. Symmetry in Crystals

Q-4 a) Which parts of equation in the Polar Co-Ordinates Schrodinger equation is used to derive Principle Quantum number and give method to derive it?

b) What is Eigen Function and why is it used in quantum chemistry calculations?

c) Discuss Normalization of wave function.

Q-5 a) Explain the mathematical treatment of Clausius-Clapeyron equation and discuss its uses.

b) Explain Gibb's Duham equation.

c) Explain isothermal Expansion of an ideal gas.

Q-6 a) Discuss the effect of temperature on equilibrium constant mathematically.

b) Discuss the effect of pressure on equilibrium constant for any suitable equation.

c) The heat of reaction of $N2+3H2 \neg 2NH3$ at 298 K is -92200 j moles^{-} calculate delta H at 348 K where heat capacities over the range of temperature are Cp of H2=28.5 (2) C_p of N2 = 28.7 and Cp of NH3 = 35.5 JK^{-} moles^{-}.

Q-7 a) Explain the methods in detail to determine the Order of Reaction.

b) Explain Rate Law to determine the rate of reaction with examples.

c) Explain Transition State Theory.

Q-8 a) What is Emulsification and explain the factors for the stability of Emulsion.

b) Discuss the importance of Colloids.

c) What is the lowering of vapour Pressures? Discuss the effects.

Q-9 a) What is Nernset equation and how is it apply to determine the e.m.f of the cell.

b) Discuss the equation which gives relationship between Electrical energy and Chemical energy.

c) Explain specific Conductivity and Molar Conductivity and how is the Cell constant determined.

Q-10 Write detailed notes on any two of the following:

a) Lanmuir adsorption isotherm

b) Energy of Activation and its determination experimentally.

c) Lindmann's mechanism for determining the rate of Uni molecular reaction.

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Chemistry

Course Title: Inorganic Chemistry Paper:- B

Time Allowed: 03:00 Hours Maximum Marks: 50 Pass Marks: 33%

Note: *Attempt any five questions. All questions carry equal marks. (periodic table is not load)?*

Q-1 a) What do you understand by Polarizability and Polarizing power of the ions.

b) Discuss various factors affecting polarizability of anion.

Q-2 a) Discuss the splitting of d-orbitals of tetrahedral complexes on basis of CFT.

b) Describe the merits of crystal field theory.

Q-3 Describe the following terms.

a) Chromophores b) Bathochromic shift

c) Auxochrome d) Hypo chromic, effects

e) Hypsochromic shift

Q-4 a) What is Column Chromatography? Explain it with suitable examples.

b) Give the applications of chromatography.

Q-5 What are modern theories of Acids and Bases, Discuss with examples?

Q-6 Elaborate the steps involved in the manufacturing of Soda Ash, by Solvay process.

Q-7 a) How SHAB principles explain the stability for the complexes and Reaction Rate?

b) What do you know about uses of radioactive isotopes?

Q-8 a) How is manufacturing on industrial scale?

b) Describe activity and activity co-efficient.

Q-9 Write on the following.

a) UV/Vis spectroscopy b) Theory of Indicators.

Q-10 a) What are the ores of Chromium? How ‘Cr’ is extracted from Chromite ore?

b) write at least Four uses of Chromium.

Model Paper

Roll No. ………………….

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

B Sc. (Composite) Annual -2012 Subject: Chemistry

Course Title: Organic Chemistry Paper: - C

Time Allowed: 03:00 Hours Maximum Marks: 50 Pass Marks: 33%

Note: *Attempt any five questions. All questions carry equal marks.*

Q-1 a) What do you know by hybridization of atomic orbital of carbon atoms in alkanes, alkenes, alkynes and arenas? Explain with examples.

b) Give brief description of hybridization of orbital's of nitrogen, oxygen and sulfur atoms in various functional groups.

Q-2 a) Outline three different methods with equation for the synthesis of alkenes.

b) Determine the number of double bonds in the molecule of acyclic alkenes, $C_{10}H_{16}$, 0.40 gm of which reacted with 14.7 ml of 0.2 molar solution of bromine in CCl_4?

c) How toluene can be converted into three isomeric nitro benzoic acids? Show only reaction equations

d) Design a suitable scheme for the synthesis of naphthalene from benzene. Show all the steps.

Q-3 a) Draw the conformational energy diagram of n-butane for a complete of rotation of 360° about Central C-C bond and indicate the relative energies of the potential confirmations.

b) Describes optical isomerism in cyclohexanes.

c) Give various methods for determining the configuration of geometrical isomer?

Q-4 Discuss the facts of various factors on the mechanism and rate of nucleophilic substitution reactions.

Q-5 a) Primary, secondary and tertiary alcohols can be differentiated using different chemical tests. Describe these tests and explain with chemical equations.

b) How can 3, 3 dimethyl -1-butene be converted into the following?

1) 2, 3 Dimethyl -2-butanol,

2) 3, 3 Dimethyl -2-butanol,

3) 3, 3 Dimethyl -1-butanol,

Q-6 a) Outline the synthesis of acetophenone from benzonitrile and from phenyl acetylene.

b) Outline the reaction of benzaldehyde with:

1) Conc.NaOH.
2) NaCN/ aq. EtOH
3) $NaBH_4$
4) Alkaline Ag_2O

c) Reduction of aldehydes and ketones to hydrocarbon can be carried out either by Clemmensen Reduction or Wolff-kishner reduction. Describe the mechanism of these reductions.

Q-7 a) Outline the synthetic applications of ethyl acetoacetate.

b) Write down the mechanism for acid and base catalysed hydrolysis of an ester.

Q-8 a) How would you synthesize the following compounds starting from pyridine or pyrrole?

i) 3-choloropyridine
ii) 2-aminopyridine
iii) 2-nitropyrol
Iv) pyridine-N-oxide

Q-9 Write short note on the following:

a) Grignard reagents

b) Pyrolytic elimination

Q-10 Labeled the following structures with systematic IUPAC names. Required diagram to be paste here?

Roll No.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012 Sub: Urdu
Course Title: Urdu A
Time Allowed: 03:00 Hours Maximum Marks: Pass Marks: 33%

---

1) درج ذیل میں سے کسی ایک اقتباس کی تشر یح بحوالہ سیاق و سباق کا عنوان اور مصنف کا نام بھی لکھیے

الف) اگر کوہی شخص پست ہمت ہوتا تو وہ آیندہ اور کچھ ترقی نہ کرتا۔ مگر ہمارے دوست مرزا عابد حسین میں نہ وہ وصف تھا جسے تو کل کہتے ہیں۔ اگر ہوتا تو بیوی کی چکندوزی کے سہارے چار پایی کے بان توڑا کرتے اور نہ وہ صفت جو قناعت کےنام سے مشہور ہے۔

ب) دونوں اس وقت اس شان سے بیٹھے ہوءے پوریاں کھار ہے تھے جیسے جنگل میں کوہی شیر اپنا شکاراڑ رہا ہو۔ نہ جواب دہی کا خوف تھانہ بدنامی کی فکر۔ ضعف کے ان مراحل کو انہوں نے بہت پہلےطے کر لیا تھا۔ گھیسو فلسفیانہ انداز سے بولا" ہماری آتماپرسن ہورہی ہے تو کیا اسے پن نہ ہو گا؟

2) سیاق وسباق کے حوالے سے کسی ایک نثر پارے کی تشریح کیجیے۔ سبق کا عنوان اور مصنف کا نام بھی لکھیے۔

الف) خلاصہ یہ کہ اور لوگوں نے نہ اول سے آخر تک قوم کی شاہراہ سے سر موانحراف نہیں کیا اور جس چال سے اگلوں نے راہ طے کی تھی اسی چال سے تمام راستہ طے کا مرزا نے اول شاہراہ کا رخ چھوڑ کر دوسرے رخ چلنا اختیار کیا اور جب راہ کی مشکلات نے مجبور کیا تو ان کو بھی آ خر اسی رخ چلنا پڑا۔

یا

ب) ان کی زندگی سادہ تھی لکین ہر چیز سے صفاہی اور سلیقہ ظاہر ہوتا تھا۔ کھانے پینے، میں لباس میں، بات چیت میں۔ مہمان دور نزدیک سے آتے رہتے تھے ان سے مل کر بہت خوش ہوتے بڑی خاطر مدارات کرتے ۔

3) مندرکہ ذیل میں سے صرف تین اشعار کی تشریح لکھیے۔ شاعر کا نام بھی تحریر کیجے۔

١) تجھی کو یاں جلوہ فرمانہ دیکھا — برابر ہے دنیا کودیکھانہ دیکھا
2) دل ہے داغ گگر ہے ٹکڑے آنسو سارے خون ہوہے — او ہو پانی ایک کرے یہ عشق لالہ عزاراں ہے
١١١) مقسوم کا جو ہے وہ پہچنے گا آپ سے — پھیلا یے نہ ہا تھ نہ دامن پسارییے
4) پکڑے جاتے ہیں فرشتوں کے لکھے پر ناحق — آدمی کو ہی ہمارادم تحریر بھی تھا
5) بڑھ گیں تم سے تو مل کراور بھی بے تابیاں — ہم یہ سمجھے تھے کہ اب دل کو شکیبا کر دیا
6) میں کامیاب دید بھی محروم دید بھی — جلووں کے اژدہام نے حیران بنادیا

4) مندرجہ ذیل اجزاء میں سے کسی ایک جز کی تشریح لکھیے۔ نظم کا عنوان اور شاعر کا نام بھی تحریر کریں۔

الف) وہ دشت وہ نسیم کے جھونکے، وہ سبزہزار ب) جہاں زہر کا کام کرتا ہے باراں جہاں آ کے دیتا ہے روابر نیساں

پھولوں پہ جا بجا وہ گہر ہائےآبدار ، وہ سبزہزار   تردد سےجواور ہوتا ہے ویراں   نہیں راس جس کو
خزاں اور بہاراں
اٹھنا وہ جھوم جھوم کے شاخوں کا بار بار   یہ آواز پیہم وہاں آرہی ہے   کہ اسلام کا باغ ویراں یہی ہے
یا
بالائے نحل ایک جو بلبل تو گل ہزار
کواہاں تھے زہر گلشن زہرا جو آب کے
شبنم نے بھردیے تھے کٹورے گلاب کے

5) مندرجہ ذیل شاعروں اور نثر نگاروں میں سے کیسی ایک کے مختصر حالات زندگی اور کلام خصو صیات / طرز تحریر کا جاہزہ لیجے
۱) خواجہ میر درد ۲) حیدر علی آتش ۳) میر حسن ۴) سجاد حیدر یلدرم ۵) رشید احمد صدیقی
6) غلام عباس کے افسانہ" بھان " میں ہماری معاشرت کے جن پہلووں کو بے نقاب کیا گیا ہے ان پر تفصیل سے روشنی ڈالیے
یا
مرزا فر حت اللہ بیگ کا خاکہ " ڈ پٹی نزیر احمد کی کہانی " اردو خا کہ نگاری میں ایک اہم سنگ میل کی حیثیت رکھتا ہے بحث کیجے۔
یا
افسانہ پر جامع نوٹ تحریر کیجے۔

Model Paper

Roll No. ....

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite)   Annual -2012   subject: App. psychology

Course Title: Basic Concepts in Psychology

Time Allowed: 03:00 Hours   Maximum Marks: 75   Pass Marks: 33%

Note: *Attempt any five questions. All questions carry equal marks.*

Q.No.1 Write a comprehensive note on Gestalt School of Psychology.

تشکیلیت کے مکتبہ فکر پر جامع نوٹ تحریر کیجے۔

Q.No.2 Explain any two research methods of Psychology.

علم نفسیات کے کویی سےدو تحقیقی طریقہ ہاے کار کی وضاحت بیان کیجے

Q.No.3 Explain the following:

a) Difference between duct and ductless glands

b) Endocrine Glands

درج ذیل کی وضاحت کیجے

الف) افرزی اور غیرافرازی غدود میں فرق   ب)   ارض وشکل وفایی مظہر

Q.No.4 Explain the Following:

a) Characteristics of Sanction   b) Figure and Ground and Phi-Phenomenon

درج ذیل کی وضاحت کیجے

الف)   حس کی صفات   ب)   ارض وشکل وفایی مظہر

Q.No.5 Write a comprehensive note on any two Theories of Motive.

محرکات کے کوہی سے دونظریات پر جامع نوٹ تحریر کیجے۔

Q.No.6 Write a comprehensive note on James-Lange theory and Cannon-Bard theory of emotion.

جیمز لینگے اور کینن بارڈ کے نظر یہ ہیجان کو تفصیلاَ تحریر کیجے۔

Q.No.7 Explain the following:

a) Difference between classical and instrumental conditioning.

b) Cognitive Learning and Imitation.

درج ذیل کی وضاحت کیجے

الف) آلایی اور کلا سیکل مشروطیت میں فرق ب) وقوفی آموزش اور تقلید

Q.No.8 Write a detailed note on theories of Forgetting.

فراموشی کے نظر یات پر تفصیلی نوٹ تحریر کیجے۔

Q.No.9 Write a comprehensive note on theories of Intelligence.

ذہانت کے نظریات پر جامع نوٹ تحریر کیجے۔

Q.No.10 Explain the following.

a) Rods and Cone cells of Retina b) Rating Scales and Interviews

درج ذیل کی وضاحت کےءجے

الف) جالدار پردےکے مخروطی اور مستقیم خلیے ب) شرحی پیمانے اور انٹر ویو

Roll No. …………………

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite) Annual -2012 Sub: App. psychology

Course Title: Areas of Psychology Paper: - B

Time Allowed: 03:00 Hours Maximum Marks: 75 Pass Marks: 33%

Note: *Attempt any* five *questions. All questions carry equal marks.*

Q.No.1 What are different types of Psychological Tests? Explain fully.

نفسیاتی آزماءشوں کی مختلف اقسام کو تفصیل سے بیان کیجے

Q.No.2 Explain the concept of normality and abnormality.

نارمل اور ابنارمل کے تصور کی وضاحت کیجے۔

Q.No.3 What are the main Therapeutic interventions used for the treatment of Psychopathology? Explain

نفسیاتی امراض کے علاج میں استعمال ہونے والے اہم طریقے کونسے ہیں؟ وضاحت کیجے۔

Q.No.4 Define Developmental Psychology. Explain the Longitudinal and Cross-Sectional Design of study.

نمویی نفسیات کی تعریف کیجے طولی اور عرضی نمونہ ہاے مطالعہ کی وضاحت کیجے

Q.No.5 Explain the Teacher's characteristics.

ایک معلم کی خصوصیات واضح کیجے

Q.No.6 **what** do you understand by Mass Communication? Describe the role of print and Electronic media in Public opinion.

ابلاغ عامہ کے متعلق آپ کیا جانتے یہں؟ راءے عامہ میں پر نٹ اور الیکٹرانک میڈیا کا کردار کیا ہے؟

Q.No.7 What are the major causes of accidents in Industries? How accidents can be control.

صنعت میں حادثات کی اہم وجوہات کیا ہیں؟ حادثات پر کیسے قابو پایا جا سکتا ہے؟

Q.No.8 Describe some methods for selection of Personnel.

عملہ کے انتخاب کے سلسلے میں کچھ طریقے بیان کیجے۔

Q.No.9 Write a note on Phobia.

بے جا خوف کو تفصیل سے لکھیے

Q.No.10 Write notes on any two.

a) Attitude b) Project Tests c) Leadership

مندرجہ ذیل میں سے کسی دو پر نوٹ لکھیے۔

الف) رویہ ب) تظلیلی آزماءیش ج) قیادت